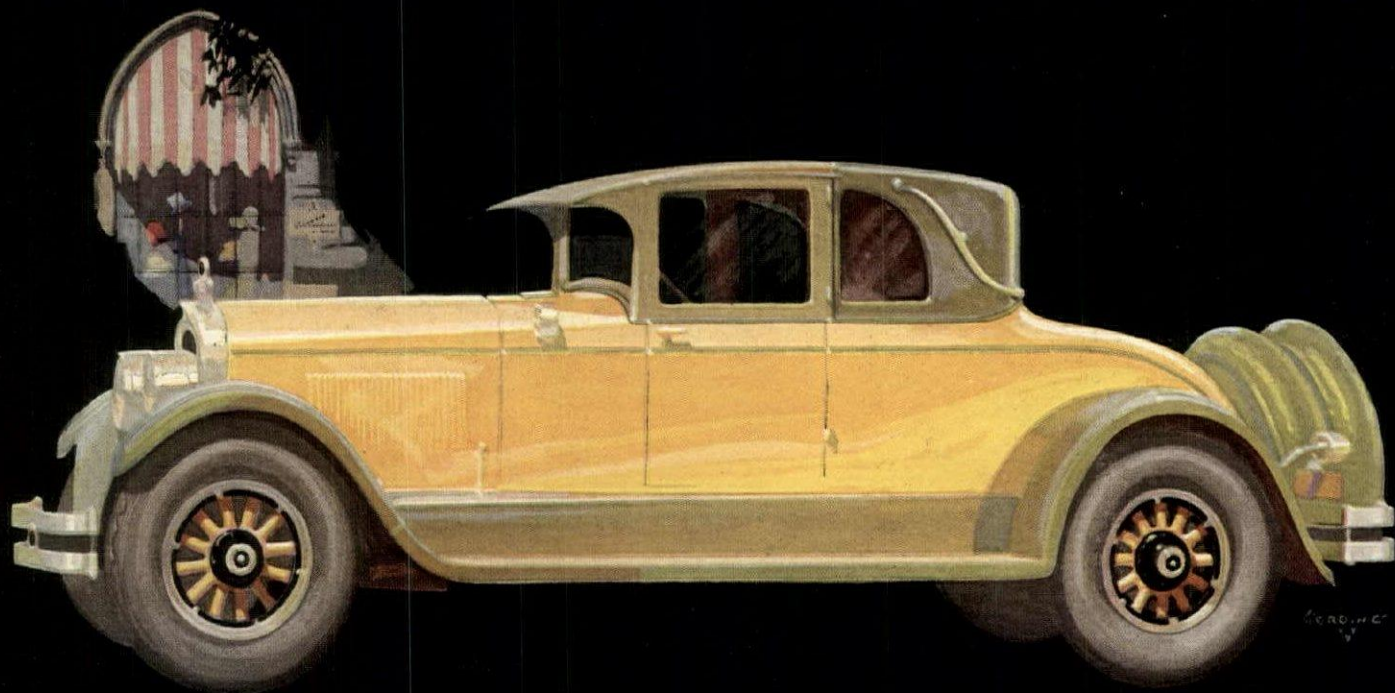
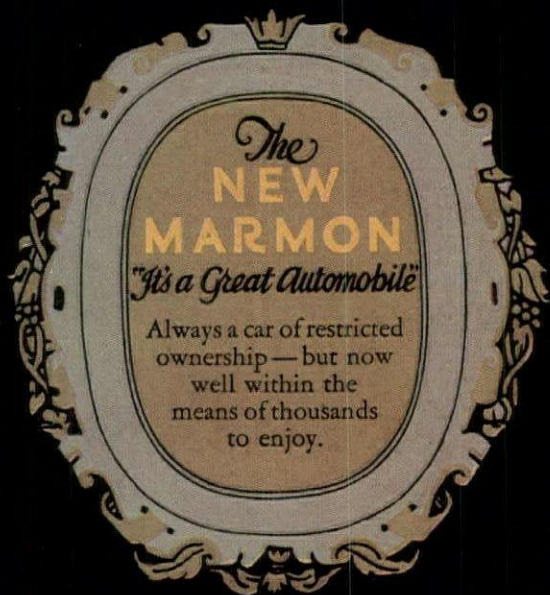


HOUSE & GARDEN



Household Equipment Features in this Issue



The New
MARMON VICTORIA
for four passengers

CIRCULATING



Wherever the Mediterranean influence enters nothing can take the place of colored stucco

YOUR HOME IN COLORED STUCCO

Now, at low cost, you can have this beauty—with complete assurance of strength and durability

To almost every type of home colored stucco brings an added charm.

For the popular Mediterranean style—Spanish or Italian—and the English or French cottage no other material is so beautifully fitting.

You will be surprised to find how economically you can secure the charm of colored stucco *plus* great strength and permanency of construction—with Bishopric.

Bishopric is a *unit-wall* construction. It consists of (1) a patented reinforcing base, (2) a stucco, and (3) an attractive color finish. All three materials are designed and made to be used together. They combine to form a *unit-wall*—not a wall made from miscellaneous materials mixed together.

The result is a coherence and strength of construction obtainable only with Bishopric. The diagram at the right illustrates why this is so.

Bishopric is also economical. The base may be applied directly to stud-

THIS IS THE UNIT-WALL

Its foundation is Bishopric Base, nailed fast to the studs. It consists of finest quality fibre-board (with felt for insulation), heavily coated with asphalt mastic. Into this, bone dry wood bars are embedded under great pressure. The result is a vermin-proof, fire-resisting base, which insulates the house securely against heat, cold and sound.

Over this base is applied Bishopric Stucco, locking into the grooves provided by the Bishopric Base and forming a complete wall *unit*. Note how stucco and base lock together.

Bishopric Stucco is mixed in exact, scientifically determined proportions and is shipped in air-tight metal drums.

Finally, Bishopric Sunfast Finish is applied, giving your home the charm of lovely color. There are many attractive tints for you to choose from.

dings, producing a stronger, warmer wall than sheathing, metal base, and stucco—and the cost is less.

In addition, Bishopric provides effective insulation, keeping your home warmer in winter and cooler in summer. It reduces your fuel bills and increases living comfort.

Bishopric Stucco is also applied with excellent results over hollow tile, concrete blocks, and similar materials.

Send for NEW BOOK

Our new de luxe booklet, "The Renaissance of Colored Stucco," contains page after page of valuable information and interesting suggestions. Fully illustrated in color. Before you make further plans send for this authoritative and helpful book. Enclose 10 cents with coupon below.

The BISHOPRIC MANUFACTURING CO
 ESTE AVE. CINCINNATI, OHIO
 The BISHOPRIC MFG. CO. OF CALIFORNIA
 LOS ANGELES

<p>THE BISHOPRIC MFG. CO. 208, Este Avenue, Cincinnati, Ohio</p> <p>Enclosed find 10 cents (stamps or wrapped coin) for which please send me your new booklet, "The Renaissance of Colored Stucco."</p>		<p>WRITE NAME AND ADDRESS BELOW</p> <hr/> <hr/> <hr/>
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B I S H O P R I C

Parfums Caron

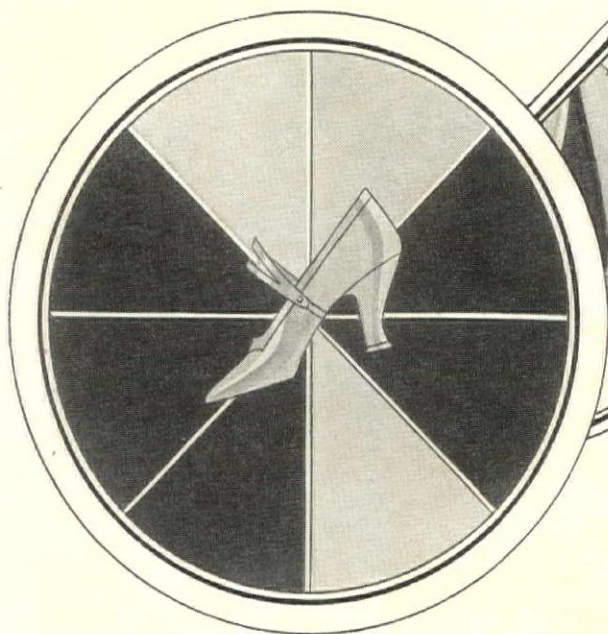
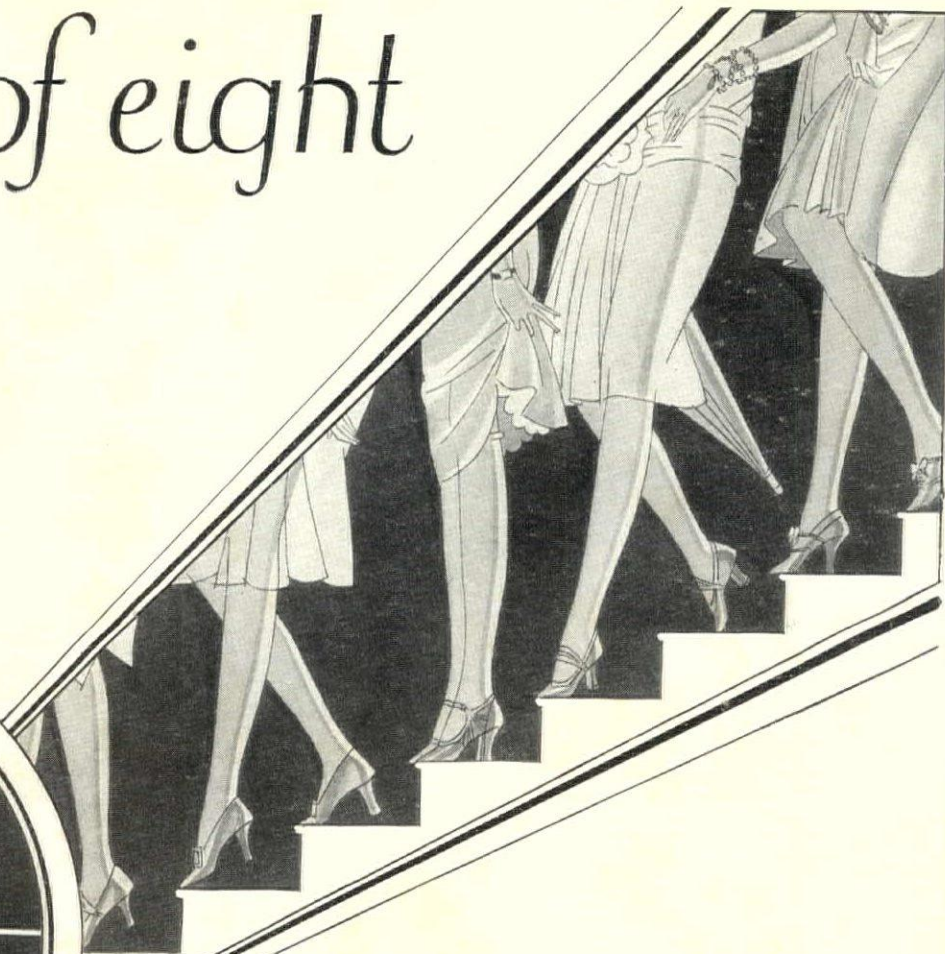
**BAIN
de
CHAMPAGNE**
AN EXQUISITE BATH
AND
TOILET PREPARATION

Paris



CARON CORP. 389 FIFTH AVENUE NEW YORK

Five out of eight



IN the recent address delivered by Mrs. Chase, the editor of Vogue, before the Style Committee of the National Boot and Shoe Manufacturers' Association and summarized in a subsequent Vogue Shoe Bulletin, 5 out of 8 daytime models illustrated for the autumn were recommended in kid, in whole or in part.

This confirms what Vici has always claimed—that the enormous favour accorded to kid during the spring and summer of 1926 is no mere fad. Kid has reached the foremost place in the shoe mode by virtue of its smartness, its adaptability and the fact that women instinctively feel it appropriate for any daytime occasion.

ROBERT H. FOERDERER, Inc.
PHILADELPHIA

Selling Agents: LUCIUS BEEBE & SONS, Boston
Selling agencies in all parts of the world

The rightness of Vici Colours

Vici kid colours have been chosen to blend or contrast with every smart shade in the costume mode. Vici Parchemin, Vici Cream, Vici Sudan provide an exquisite sliding scale in the ivory-beige range for the light but warm-toned summer costume colours. Vici Crystal Grey is perfect for the greys, the blues, the orchid tones. Vici Cochin is the ideal brown for sport. . . . From sunrise to sunset, there is always a Vici shoe.

Look for the Lucky Horseshoe

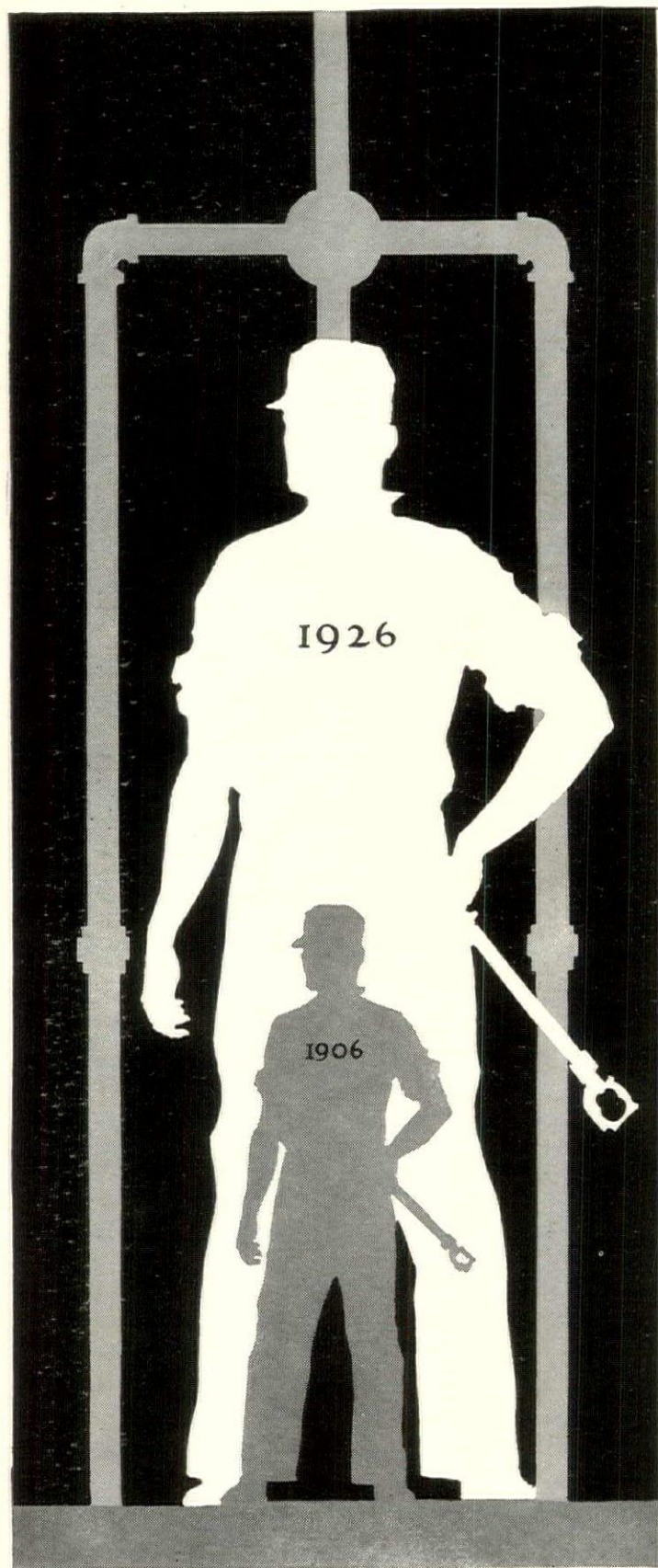
The Vici Lucky Horseshoe, stamped inside your shoe, means that the colour is right—that the quality could not be improved—that the manufacturer who designed the lines of the shoe and the retailer who purchased the model can be depended on to appreciate your standpoint as a smart woman who knows the mode and demands the best . . . Let your summer shoes of Vici kid develop into a year-round habit!



To put your best foot foremost
—put them both in Vici kid!

VICI kid

REG. U.S. PAT. OFF.



ALPHA Brass Pipe

The Plumber in Your Walls Has Grown

INSIDE your walls is not only piping but also the plumbing labor that installed it there. This plumbing labor cost has grown tremendously in the last 20 years. Plumbers' wages, like all other wages, have gone up, for plumbers must be skilled and well trained, in order to do the concealed plumbing work demanded in the modern bathroom. Pipes run inside the walls and under the floors nowadays, instead of lying exposed along the wall and across the ceiling.

That is why the labor part of your plumbing bill has grown, and why no house builder can afford to use this expensive and necessary labor on temporary material.

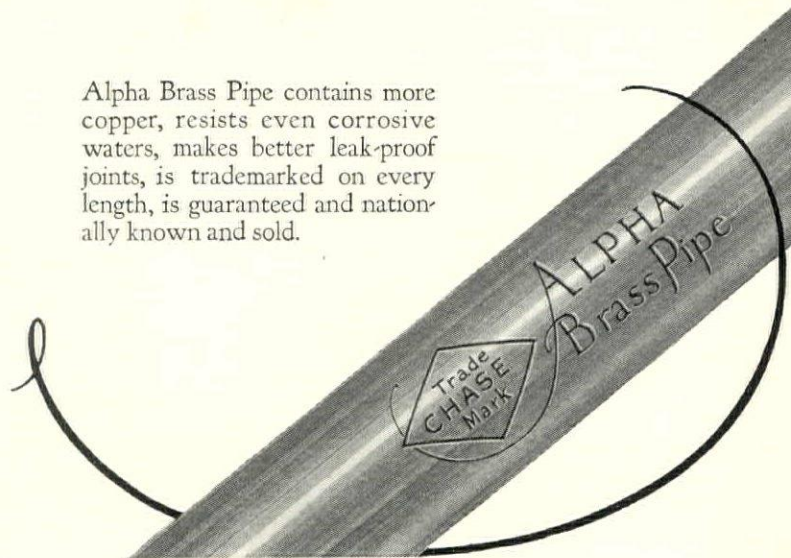
What is "temporary" plumbing material?

Iron and steel pipe are temporary, for they rust and leak after a few years.

The only way to be sure that your plumbing is in to stay is to use brass pipe that will never rust.

CHASE COMPANIES, INC.
WATERBURY, CONN.

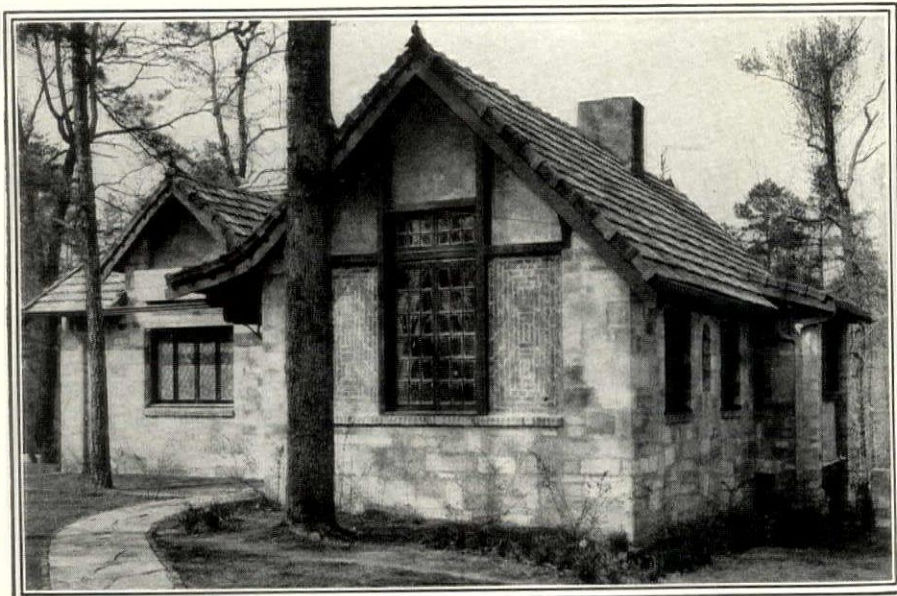
Alpha Brass Pipe contains more copper, resists even corrosive waters, makes better leak-proof joints, is trademarked on every length, is guaranteed and nationally known and sold.



BUILD THE NATION SECURELY WITH

INDIANA LIMESTONE

The NATION'S BUILDING STONE



"Better Home" Exhibition House, Birmingham, Alabama. Built of limestone, backed with hollow tile, making fourteen-inch walls, absolutely solid, thoroughly fire-proof—Frank Hartley Anderson, Architect

DISTINCTION characterizes Indiana Limestone houses, be they large or small. It is something to be known as the owner of "that attractive stone bungalow down the street." And it is something to know that this same beautiful little bungalow, through and through, is substantial and solid and secure, constructed of the one building material which Time cannot destroy.

In the years to come, it will prove to be a constant source of satisfaction to observe how this natural stone weathers all extremes of heat and cold, and how it defies the action of frost and moisture. It will be a source of joy and pleasure to see its beautiful, light color-tones take on that golden

mellowness that makes old stone walls charming.

The most economical form of stone construction is a facing of rough-sawed **Old Gothic** Indiana Limestone applied over ordinary stud frame walls. The **Old Gothic** variety includes stone of buff and gray shades, and of various textures. Laid up as a Random Ashlar, it produces extremely beautiful and interesting wall effects.

Treated strictly as a *masonry* job, this form of construction makes the cost of a house only 5% or 6% more than one faced with brick, and puts a stone house within easy reach of all prospective builders who value *quality* in the materials they select.

A folder containing descriptions and floor plans of five Indiana Limestone bungalows will be sent free, upon request. Or our Portfolio of House Designs, containing descriptions and floor plans of sixteen moderate-sized houses designed to be built of Indiana Limestone, will be sent upon receipt of 50c. The coupon below is for your use in ordering either one or both of these publications.

INDIANA LIMESTONE QUARRYMEN'S ASSOCIATION

Box 782, Bedford, Indiana

We discourage cleaning Indiana Limestone buildings, since the venerable antique effect produced by weathering is conceded to be one of the great charms of natural stone. However, anyone determined to clean a stone building may obtain complete information on methods that will not destroy the surface of the stone, by writing to the Indiana Limestone Quarrymen's Association, Service Bureau, Bedford, Indiana.

Indiana Limestone Quarrymen's Assn.
Box 782, Bedford, Indiana

Kindly send me:

- Your folder illustrating Indiana Limestone bungalows, without charge.
- Your Portfolio of House Designs, for which I enclose 50c.

NAME.....

ADDRESS.....



COUNTING THE KNOWING ONES

ROSE turned triumphantly to Ann, as they viewed the passersby from the point of vantage of their Boulevard table.

"That makes two for me and one for you," she said.

"What are you counting," inquired Peter languidly, "grandmothers dressed as flappers?"

His question passed unnoticed as Ann said indignantly, "Why, Rose, you're forgetting that stunning French widow I pointed out at the Ritz yesterday."

"Oh, if you're going back to yesterday, how about the Russian actress I discovered on the steamer?"

Peter was becoming peevish. "Would you mind explaining your conversation?" he asked. "There hasn't been an intelligible remark passed at this table except by me."

Rose apologized. "Sorry, old thing, but Ann and I have been counting the women in Paris who are wearing Pedemodé shoes."

"How can you tell—do you pick up their feet?" Peter's bewildered query.

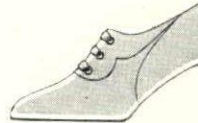
"How can you tell a man has an English tailor, silly," asked Ann scathingly, "you just *know*, don't you?"



The reptile trim is effectively placed in this smartly new pump.

Pedemodé Shoes for Women

Patent leather and suede combine with chic to fashion this slender oxford.



Cincinnati	Smith-Kasson Co.
Memphis	J. Goldsmith & Sons Co.
Milwaukee	Caspari & Virmond Co.
Newark	L. Bamberger & Co.
New York	L. Livingston
Oklahoma City	Kerr Dry Goods Co.
Omaha	Thomas Kilpatrick Co.
Pittsburgh	Joseph Horne Co.

The Pedemodé Shops

NEW YORK	570 FIFTH AVE.
CHICAGO	76 E. MADISON ST.
BOSTON	360 BOYLSTON ST.
CLEVELAND	1708 EUCLID AVE.

Portland, Ore.	Knight Shoe Co.
Richmond	Seymour Sycle
Salt Lake City	Walker Bros. D-G
San Francisco	City of Paris D-G
Spokane	Davenport Hotel Sport
St. Louis	Stix, Baer & Fuller
Toledo	Lauber's

JULIUS GROSSMAN, INC., BROOKLYN, N. Y.

The Midsummer Sale of Macy Furniture is of extraordinary interest

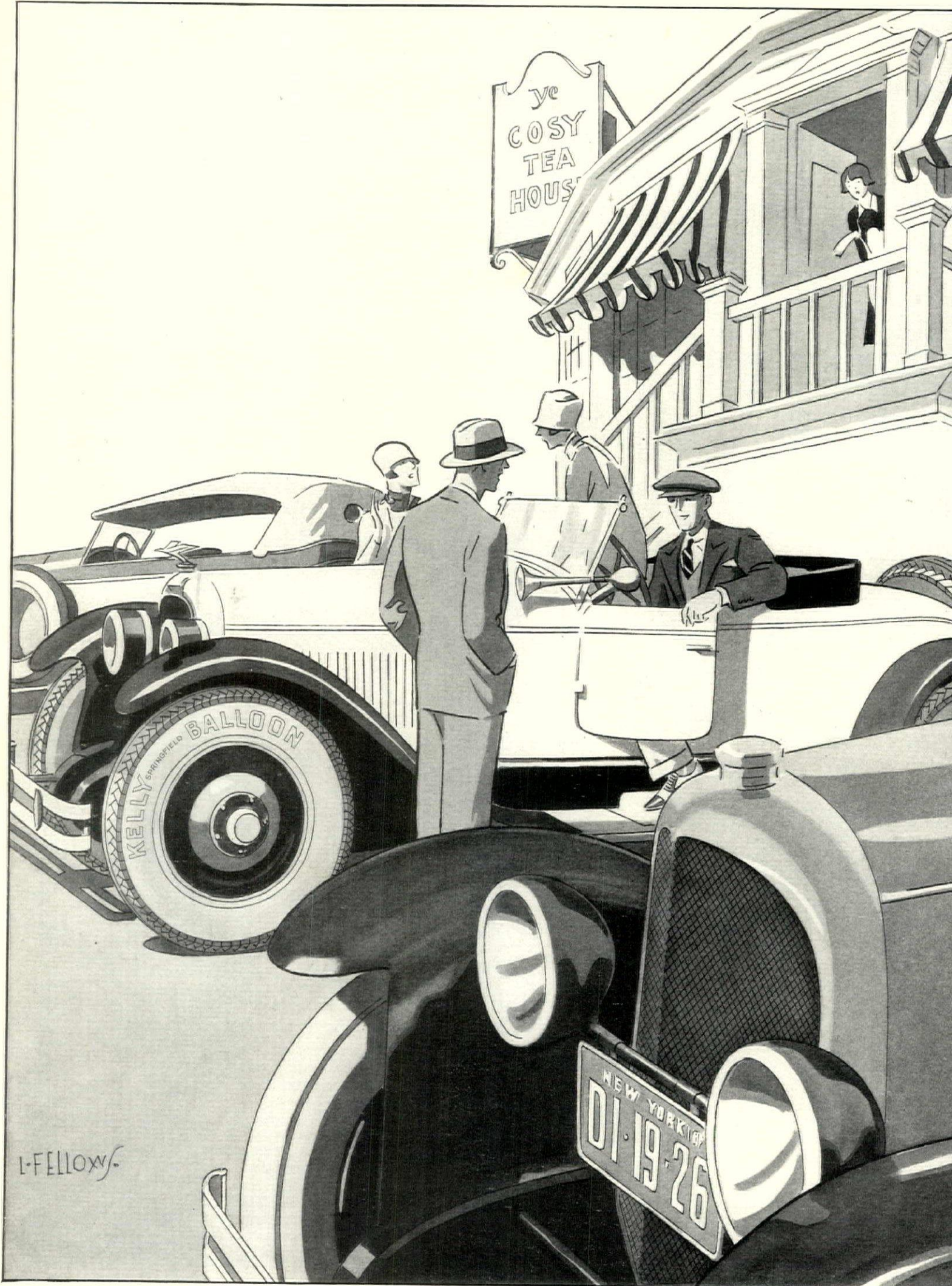
THIS great event, continuing throughout the month of August, finds us with large, newly assembled stocks of furniture for every scheme of decoration, for every type of home, however simple or pretentious. The Midsummer Sale is unusual for the variety of choice it affords in each kind of furniture; suites or separate pieces for every room in the home, to suit every preference.



A LARGE collection of fine dining room furniture is an important feature of the Midsummer sale. Nearly one hundred matched suites, which may be purchased as sets or as separate pieces, are presented. Ten piece suites range in price from \$149.00 to \$1772.00. Then too, there are lovely collectors' pieces of fine old woods, and reproductions that are amazingly faithful in every detail. Gay painted furniture for the breakfast room is another attractive grouping for the Sale, offering a five piece suite for as little as \$28.50, a ten piece one for as much as \$371.00.

M A C Y'S

34th St. and Broadway, New York



"Some tough detour between here and Jonesville, eh? Coming up this morning I spent more time in the air than I did on the seat."

"That so? It didn't seem so bad to us—but then, we're riding on Kelly-Springfield Balloons."

THE · FAMILIAR · PHRASE
AS GOOD AS
BUICK

SUGGESTS THAT YOU
SEE AND DRIVE THE CAR
THAT OTHERS USE AS A
STANDARD OF COMPARISON
BEFORE YOU SPEND YOUR
MONEY



WHEN BETTER AUTOMOBILES ARE BUILT - BUICK WILL BUILD THEM





COLOR is the very life of stucco! And here it is in all its warmth and beauty—suited to your style and purpose—in Oriental Stucco. Combining this long-sought ideal of vivid charm with all the lasting properties of rock, Oriental Stucco places at your command every value of durable, adaptable and attractive material. Never have such beautiful effects been so simple, so certain, so easy of achievement as with Oriental Stucco. This is because every ingredient, including the color, is scientifically proportioned and machine mixed-in at our mills. It needs only the addition of water at the job. Fill out and mail the coupon for detailed information, color charts and descriptive literature showing beautiful effects with Oriental Stucco.

Oriental Stucco Finish Coat is supplied in eleven mineral colors and white at Building Supply Dealers, everywhere

UNITED STATES GYPSUM COMPANY, General Offices: Dept. 231, 205 West Monroe Street, Chicago, Illinois

ORIENTAL STUCCO

EXTERIOR STUCCO

Reg. U. S. Pat. Off.

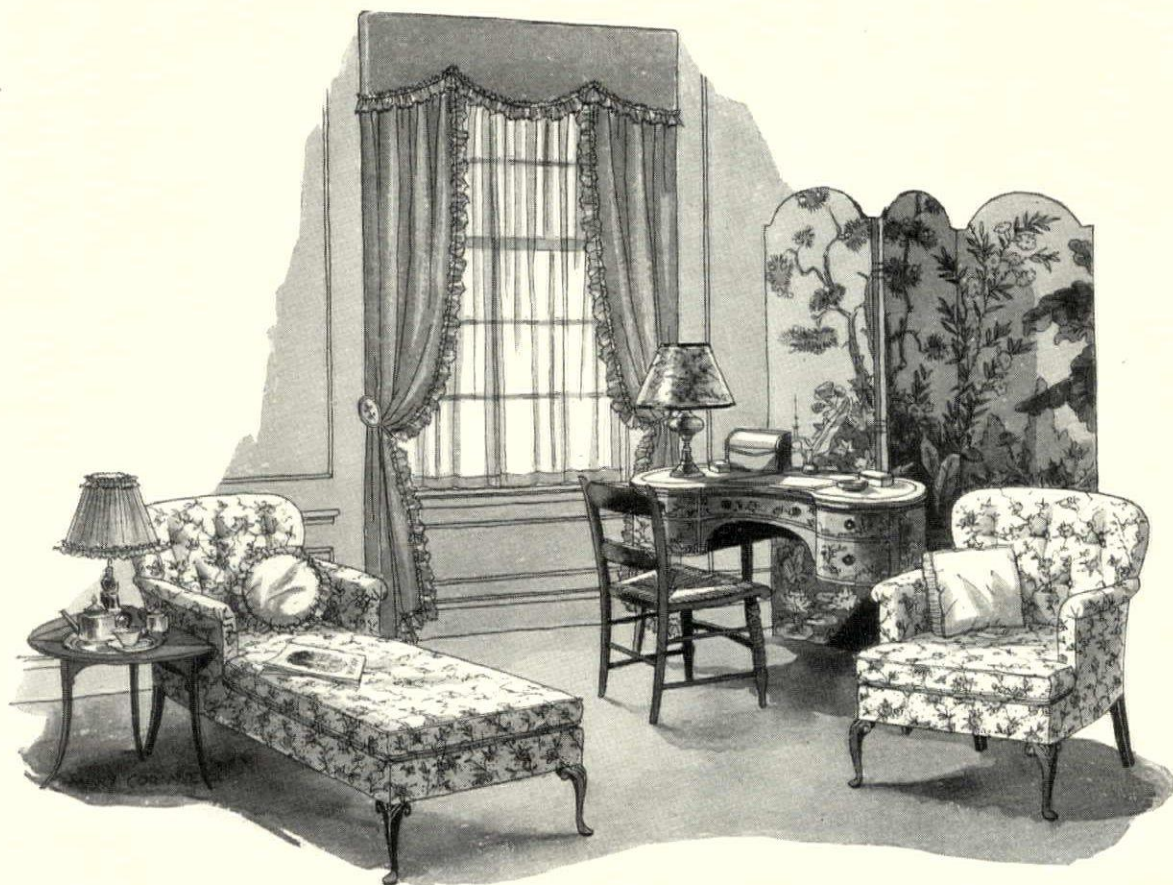
72 designs from National Architectural Prize Contest have been compiled in an attractive book. Send \$1.00 and this coupon to Fireproofing Dept. Z, U. S. Gypsum Co., 205 W. Monroe St., Chicago, Ill.

Name
City State

UgS
PRODUCTS

U.S. Gypsum Co., Dept. 231, 205 W. Monroe St., Chicago
I am interested in Oriental Stucco. Send folder showing colors of Oriental Stucco Finish.

Name
City State



Comfortable Furniture made in our Workrooms and Covered as You Desire

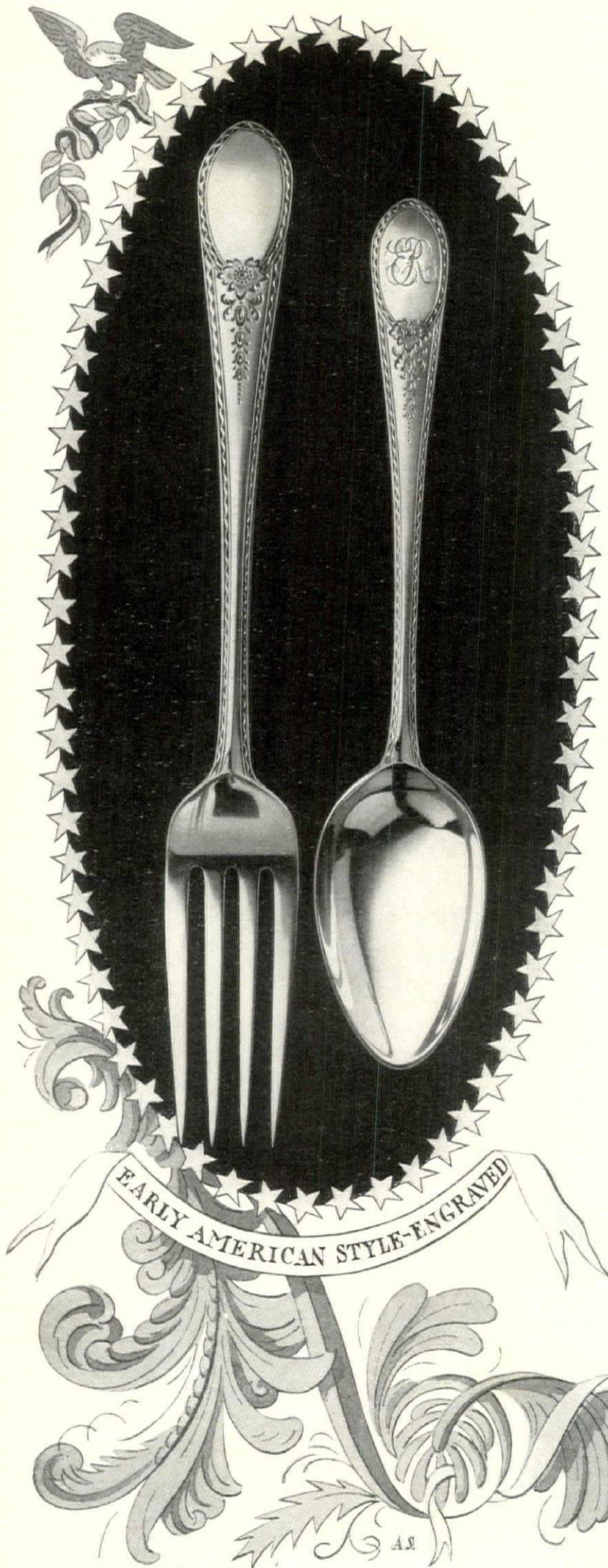
Grace, luxurious comfort, fine workmanship —these characterize the furniture from our workrooms now shown in a collection greatly enlarged for our Centennial Year. Reading and boudoir chairs, slipper chairs, couches, love seats and chaise longues, in a variety of attractive designs and coverings. Any piece may be selected at the muslin price and covered as you desire with only the additional cost of the fabric — an advantage you will appreciate in carrying out the decorating plan of any given room.

SIXTH FLOOR

Lord & Taylor

FIFTH AVENUE NEW YORK

SELECTIONS MADE NOW WILL INSURE PROMPT DELIVERY FOR FALL

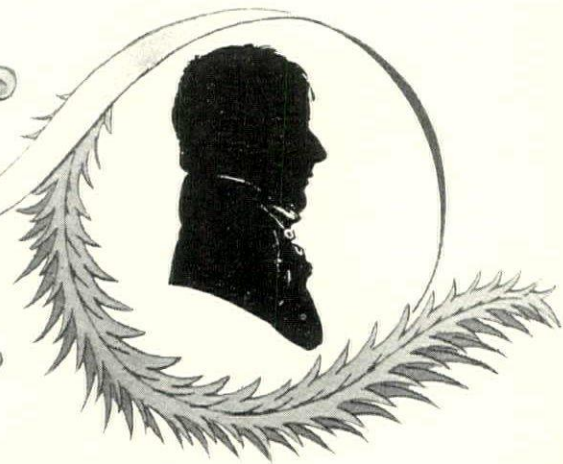


The Early American Style

WE Americans are making a discovery—that in the works of our early American craftsmen we have a rich and lovely inheritance of truly American beauty. We have discovered that back before the 1800's our forefathers built homes, designed furniture and wrought their silver in a style that is very much our own. In beauty of line, sense of decoration, sincerity of materials, the Early American Style is one that expresses cultured good taste and intelligent interest in home decorations that we Americans are again evidencing, as never before.

Of all the fine old things that have come down to us from our early American homes, the rarest is silver. Outside the priceless collections in our museums little remains. But how exquisitely wrought these old pieces are, quaintly individual, beautifully proportioned! Their appeal is strong, not alone because they are so distinctly American, but also, because of their downright beauty.

It is to just such pieces in the collections of old silver shown in the Early American wing of the Metropolitan Museum in New York and the Boston Museum of Art, that we have gone for



The inspiration of our new pattern, shown on these pages. Because it so closely re-expresses the spirit of the early American artist-silversmiths we have named it as we have—"Early American"—a tribute to their craftsmanship. Could you imagine a more appropriate pattern of table silver for our modern homes which go back, as does this new design in "Treasure" solid silver, to the inspiration of early American days and ways?

The old silversmiths made only spoons and a few incidental pieces in flatware, but in the "Early American Style" every requirement of the most exacting hostess will have its individual piece, in the same charming, authentic design—the same precious metal through and through—and plain or engraved, to suit the individual taste. The finish of every piece would cause even Paul Revere—himself a famous silversmith—to be generous in his praise.

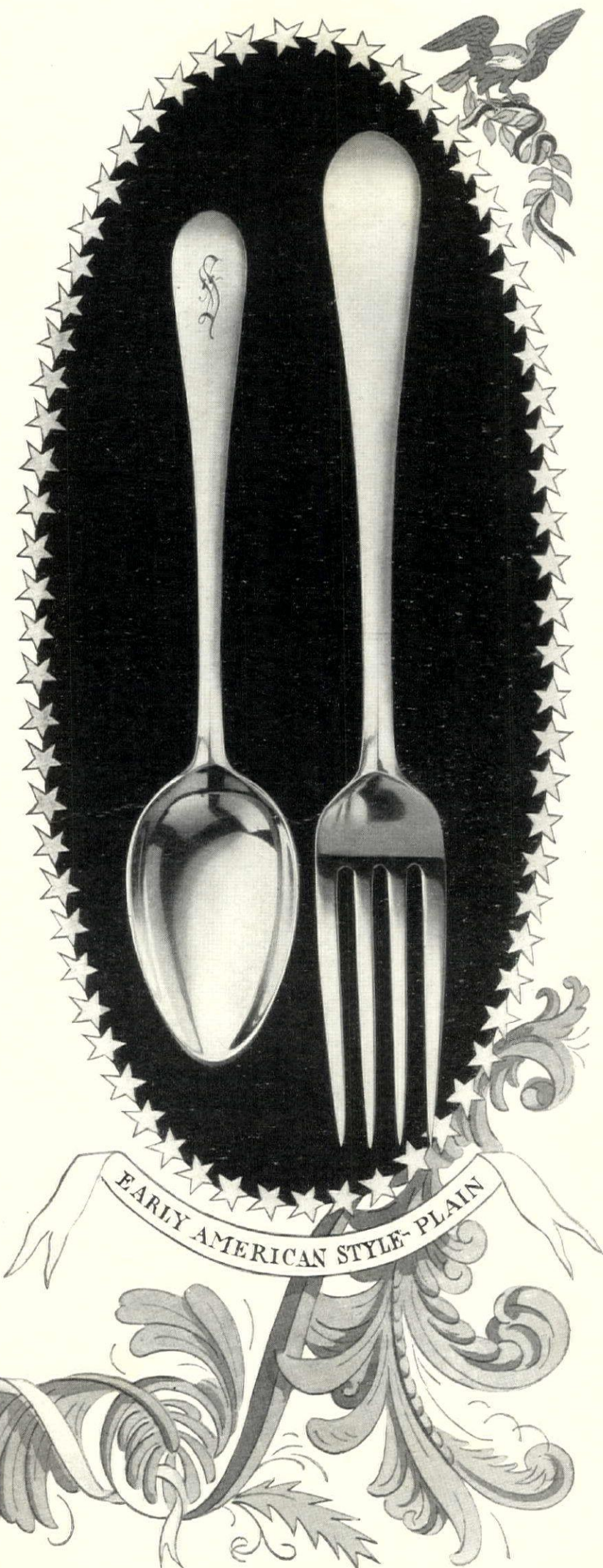
Do you love the charm of "Early American"—when you will want to see this new silver spread before you at your jeweler's. Please write us for Brochure B—H & G

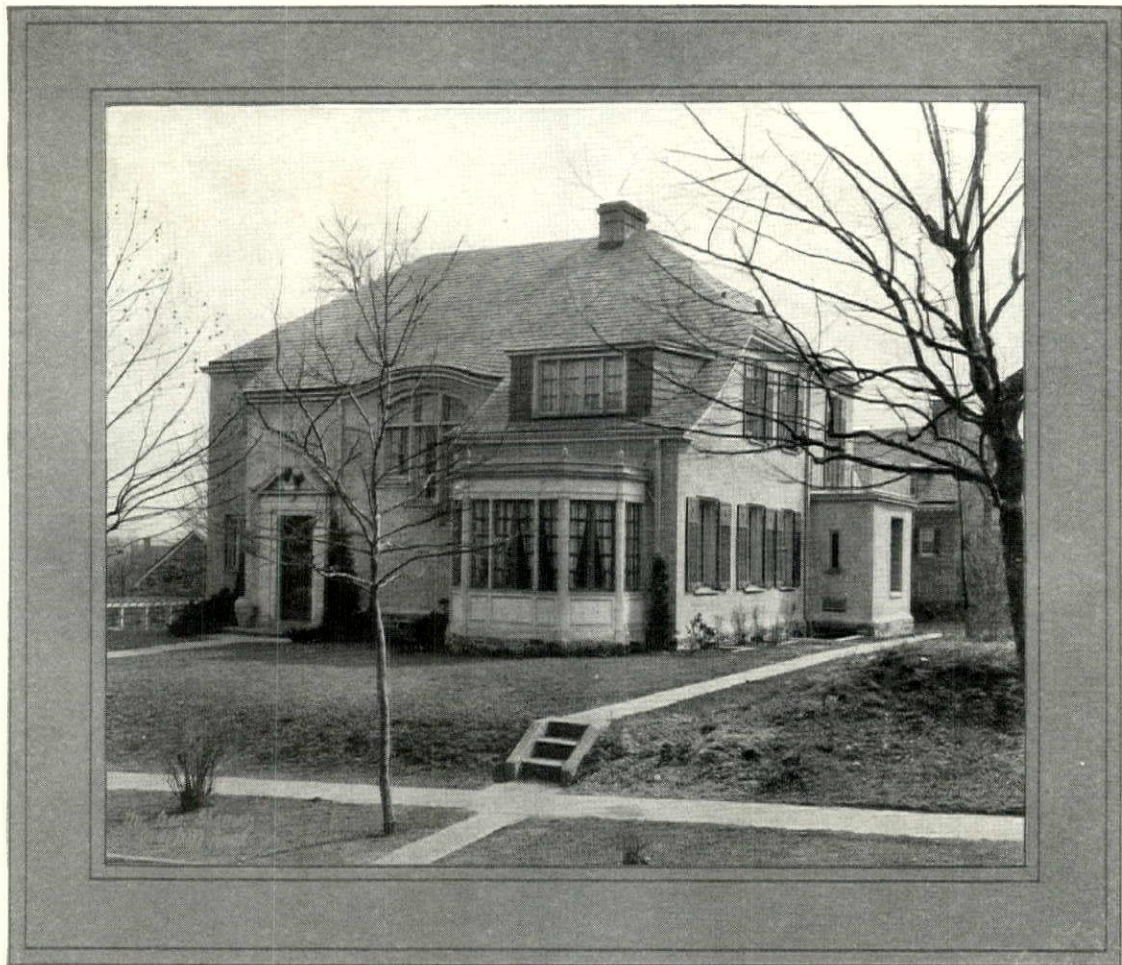
ROGERS, LUNT & BOWLEN
 SILVERSMITHS
Greenfield, Mass.

(in) TREASURE
 SOLID SILVER

The Early American Style

*It is Sterling—
 more can not be said*





The home of Mabel Garrison (Mrs. George Siemmon), nationally renowned Metropolitan soprano. At 3 Overhill Road, in the restricted Guilford development, Baltimore, Md.

QUIET, AUTOMATIC WINTER HEAT —equip your home with this perfected oil burner

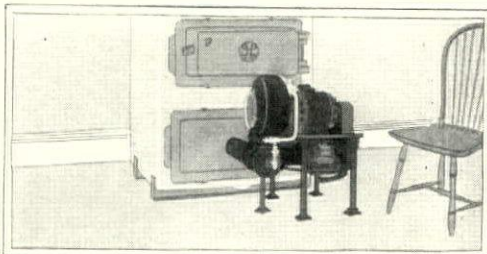
The May owes its quietness to its improved construction. It never interferes with the ordered comfort of your home. Besides this feature, the Quiet May offers all the other advantages over a coal furnace that the most highly perfected oil burner could give. It assures even, automatic heat in every room—without worry, without dirt, without the constant expense and annoyance of keeping a furnace man on the job. Our special payment plan installs the Quiet May in your home for only \$50, the balance to be paid over a long period.

1 1 1

THIS simple test will demonstrate why the May is quiet: Purse your lips, blow air through them—and you whistle. Open your mouth wide and slowly expel the same amount of air—and you don't make a sound. This is the Quiet May principle of supplying the required amount of air to produce noiseless combustion of the oil.

The Quiet May conforms to all local fire regulations. It is listed as standard by the National Board of Fire Underwriters.

It is automatic. When you have set the thermostat for the temperature you wish,



The Quiet May can be secured with a down payment of only \$50, with no further payment until October. The balance will be extended over a period of twelve months. Prices for complete installations, ready to heat your home, range from \$595 up.

you are free from heating worries for the rest of the winter. Your home will be kept at that temperature no matter how much the weather varies outside. All that you have to do is to see that your oil man fills the tank regularly. The Quiet May is of the simplest construction possible. It has no complicated mechanism to require adjustment.



Quiet May

AUTOMATIC OIL BURNER

The Quiet May eliminates the dirt and ashes of a coal furnace—keeps your basement in spotless condition. It really gives you an extra room. It permits you to convert your basement into a pleasant billiard room, a playroom, or anything you wish.

Decide now to settle your heating problem forever. Let us tell you how easily you can install the Quiet May under the terms of our payment plan. The Quiet May can be installed with your present heating plant—whether steam, hot air or hot water. Mail the coupon today for complete information! Address May Oil Burner Corporation. Factory and Main Offices, Baltimore, Maryland. Branch Offices, 331 Madison Ave., New York; 1020 Commonwealth Ave., Boston; 2401 Chestnut St., Philadelphia; 503 Security Bldg., St. Louis.

Installed for \$50 down

MORE THAN A YEAR TO PAY THE BALANCE

MAY OIL BURNER CORPORATION HG-8
Winchester and Carey Streets, Baltimore, Md.
Please send me, without obligation, your booklet,
"Taking the Quest out of the Question."

Name

Address

A Delightful Blending of Hospitality and Stateliness

One lingers a little longer over the coffee . . . foods seem to have added zest and piquancy . . . amid friendly surroundings such as these.

The Period of this stalwart suite is Charles II . . . the finish is waterproof lacquer, in a velvety-brown antique effect. Solid American Walnut is used exclusively, enriched with mottled overlays of burl redwood.

The "Carolean" suite illustrated is one of a group of beautiful Dining Suites illustrated in the brochure, "Dining Rooms of Distinction." May we send it?

KITTINGER COMPANY • 1893 Elmwood Avenue • Buffalo, N. Y.



The handsomely carved server and mirror in the "Carolean" group are equally appropriate for use as a console set for the hall.



KITTINGER

DISTINCTIVE FURNITURE



THE DINING ROOM

Nothing is more annoying or more embarrassing, especially with guests present, than a cold or chilly dining room. Such a thing is contrary to the best health rules and decidedly a *faux pas* in society.

And who wants to shiver through a full course dinner—or what hostess wants to be constantly embarrassed when entertaining.

With Aero Radiators on the job you are assured constant comfort, an even, steady flow of healthful warmth, absolute cleanliness and general self satisfaction in poise, dignity and peace of mind.

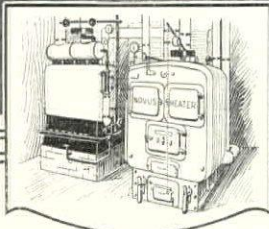
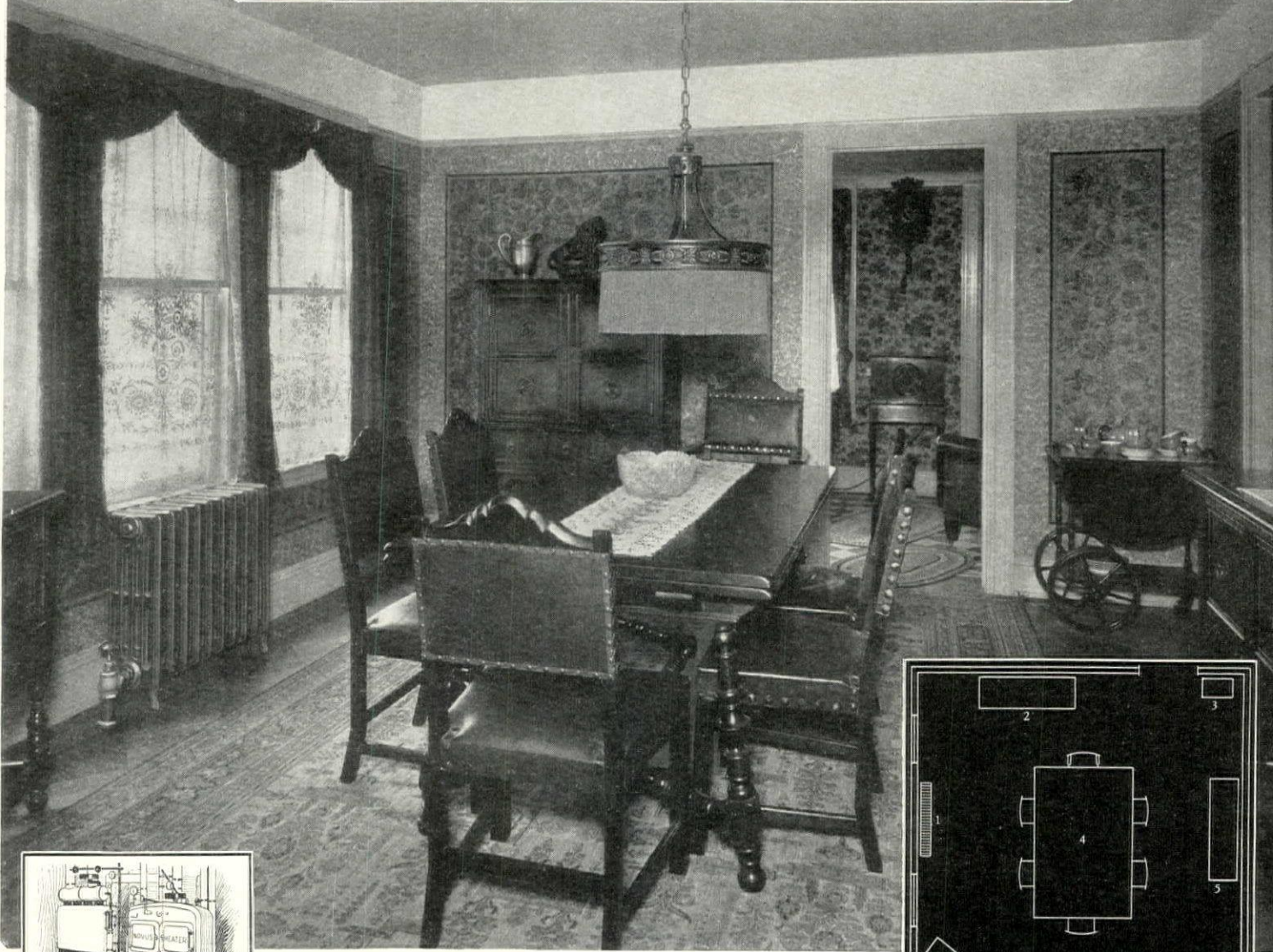
Yet all of this does not recount the beautiful, graceful slender lines and the pleasing proportions of Aero Radiators nor the fact that with all these advantages Aero Radiators *still sell at the same standard price as the old radiator types.*

Discuss them with your Heating Contractor or Architect.

NATIONAL RADIATOR COMPANY

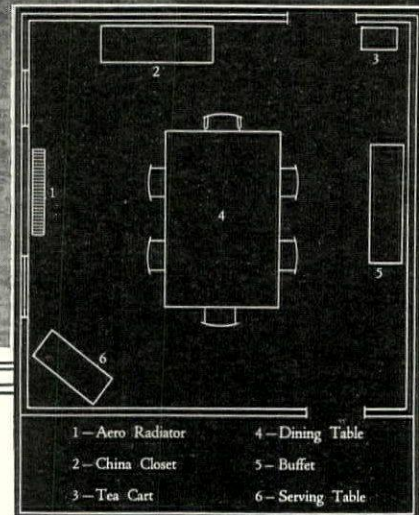
JOHNSTOWN, PA.

New York Philadelphia Baltimore Washington Richmond Pittsburgh Cincinnati Cleveland Chicago



National Boilers will warm your home comfortably, evenly, dependably and economically. They burn coal, oil or gas as a fuel.

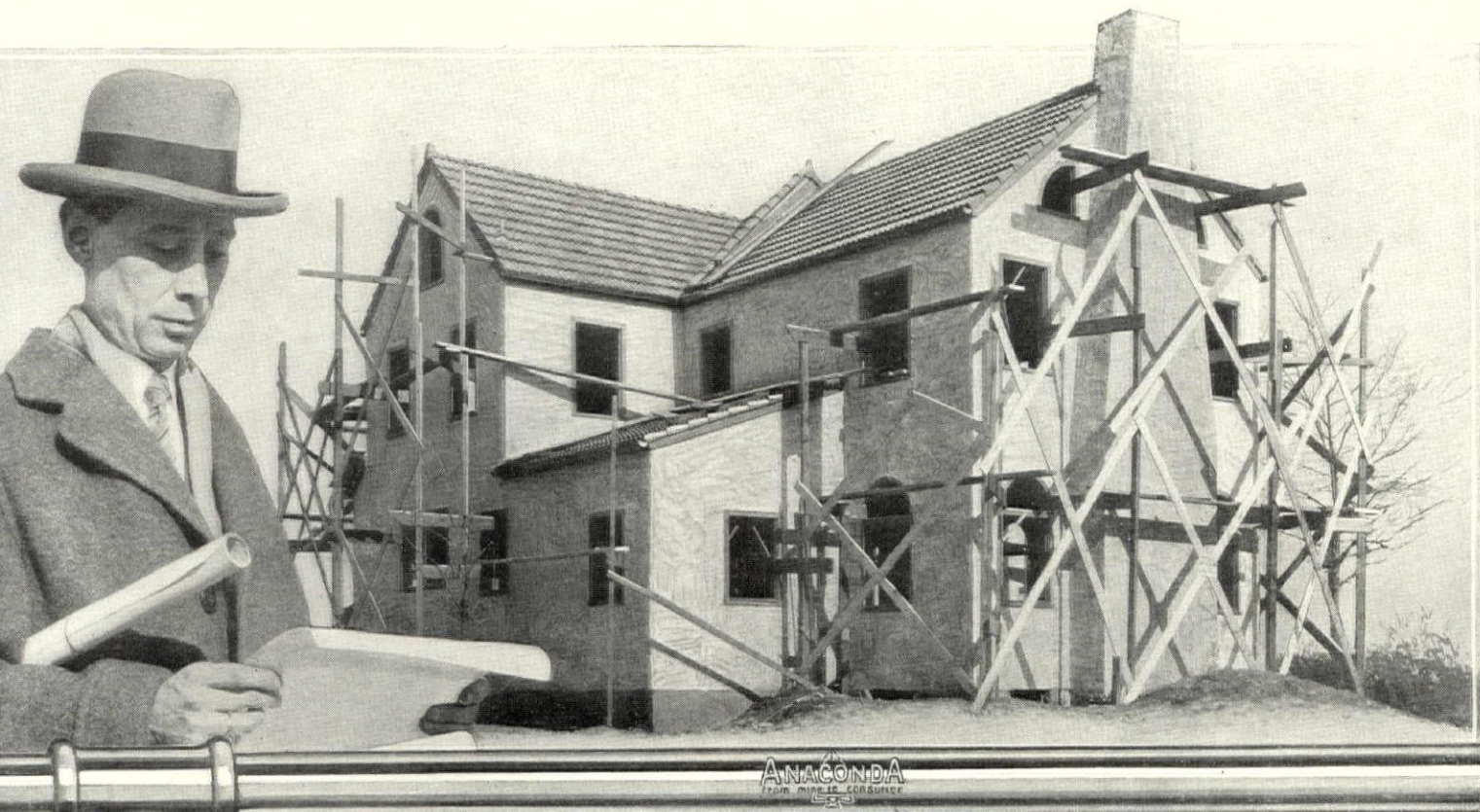
Your copy of a book containing the complete series of these advertisements, which shows how Aero Radiators have been made an integral part of the furnishings, will be sent free upon request.



This floor plan shows how the furniture was placed to make this dining room charming and beautiful.

BEAUTY and WARMTH with

AERO RADIATORS



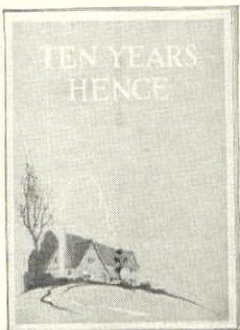
ANACONDA
THE PIPE CONSULTANT

Brass Pipe Increases Appraisal Values

The appraiser looks for permanent values written into the specifications, and is quick to recognize the quality of Anaconda Brass Pipe in determining the loan value of the house.

In installing water supply pipes, the largest single item of cost is labor. With experienced labor and Anaconda Brass Pipe, the installation expense will be incurred only once. Anaconda Pipe *cannot* rust. Under normal conditions it lasts as long as the house, without any expense whatever for repairs or replacements.

Anaconda Brass Pipe can be installed for hot and cold water in the average \$15,000 house for \$75 more than the cost of iron pipe—yet it saves its cost many times over through added convenience, and increased resale value.



May we send an interesting booklet on Anaconda Brass Pipe? Write for "Ten Years Hence."

THE AMERICAN BRASS COMPANY

GENERAL OFFICES: WATERBURY, CONNECTICUT

Offices and Agencies in Principal Cities

Canadian Mill: ANACONDA AMERICAN BRASS LTD., New Toronto, Ont.

ANACONDA BRASS PIPE

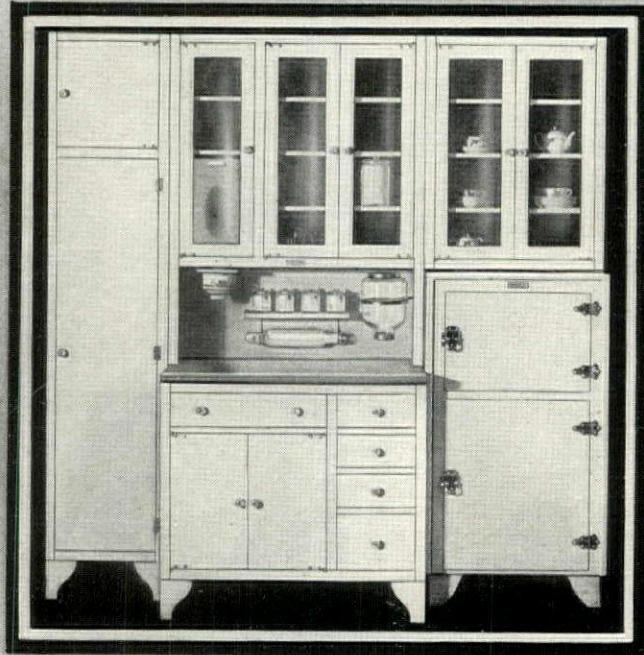
Installed by Leading Plumbing Contractors

The WHITE HOUSE

TRADE MARK

Line

Steel!
Steel!
Steel!



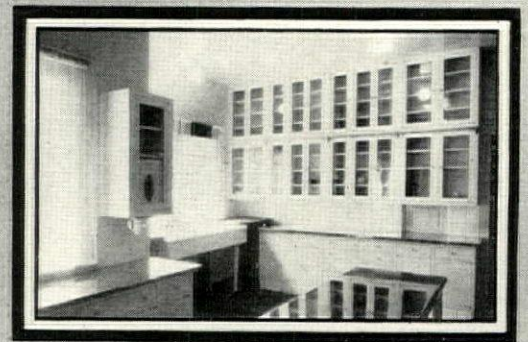
Steel!
Steel!
Steel!

Complete layout for a small house including dresser, broom closet, refrigerator and china cupboard—all in a space of 7 feet, 1 1/4 inches.

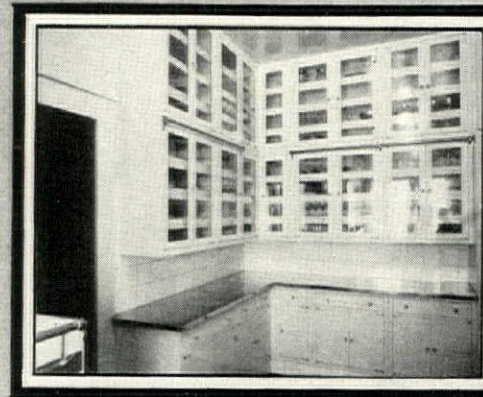
STEEL—the one great structural material, famed for its rugged strength and durability—is the foundation of the WHITE HOUSE Line.

WHITE HOUSE Units are the last word in modern kitchen and pantry equipment. They are the logical solution of the sanitation problem and the most economical you can buy. Of rigid, welded, patented construction throughout, they offer the very type of lasting efficiency the modern home demands.

Units are furnished complete—ready for installation, to fill any given space. No hardware, glazing or painting necessary. Regulation kitchen dressers, broom closets, sink units, storage units, etc., are carried in stock for immediate shipment. Catalog and photographs upon request.



Units for larger kitchens and pantries are furnished according to blueprints submitted.



JANES & KIRTLAND, Inc.

133 West 44th Street

Established 1840

New York City

The Refrigerator Joins the Kitchen Circle

EVA WILSON, B.A., M.A., Welcomes the Electric Refrigerator

EVA WILSON, B.A., M.A., is Instructor in Household Arts in the School of Household Arts of Teachers College, Columbia University, New York City. She has been particularly happy in spreading the gospel of proper kitchen planning. Many of her students, from all parts of the world, have become expert kitchen engineers, because of their thorough researches with Miss Wilson. She contributes to many domestic science journals.

BRING the refrigerator into the kitchen circle," urged Eva Wilson, B.A., M.A., Instructor in the School of Household Arts, Columbia University. We had asked her, "How may kitchen planning be improved?"

"Invite the refrigerator," she continued, "to leave the remote fastnesses of the kitchen entry and inhospitable porch, and place it in the kitchen exactly where it is needed. With the electric refrigerator, our planning need no longer begin with the ice-man. Now your chief objective may well be proper kitchen routing." "And what may routing be?" we interested.

"You will understand," she pursued, "interestedly, "by glimpsing this plan. The food is brought into the kitchen and unrapped on the kitchen-cabinet table. It then goes into the electric refrigerator. Here it is conveniently near the range, for food preparation. Here it is well placed to receive the food after it has proceeded along its path from serving table to dining room, and back again from dining room. "This is routing—the grouping of equipment, according to kitchen processes, to save effort, time and labor. It is easy to see how the electric refrigerator, by eliminating relay races in, out and around the kitchen, contributes to kitchen planning, doesn't it?"

"There is no ideal kitchen. Yet, I find that electric refrigeration brings kitchen layouts much closer to the ideal."

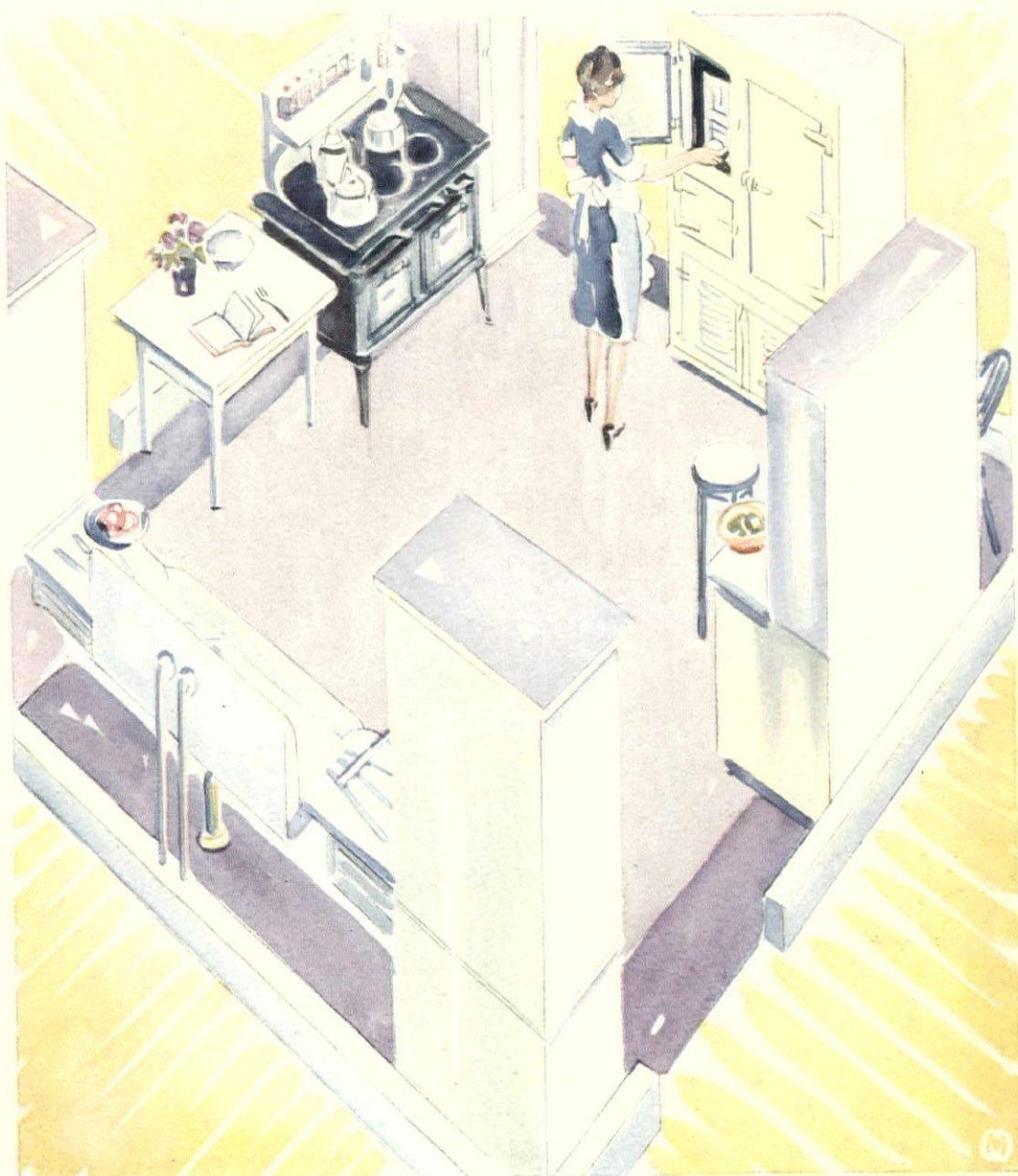


Diagram sketch of the kitchen layout suggested by Miss Eva Wilson. Note how Servel is placed between the kitchen cabinet and the range. This enables scientific "routing"

Already, certain facts are emerging about electric refrigerators. One certain electric refrigerator is being sold by more electric light and power companies than any other. Its sales have increased 2000 per cent in one year. Why? Tests show that Servel uses a more effective refrigerant, starts and stops less often, requires less service attention. Have your Servel dealer explain the "why" of

Servel. Let him show you Servel's refrigerator, 10 degrees below zero. See him pour water on it; instantly the water turns to ice... There is electric refrigeration, and there is Servel Electric Refrigeration. Be sure to investigate the difference.

The Servel Corporation, 51 East 42nd Street, New York. Branches in principal cities in the United States. In London, England, Servel, Ltd.



SERVEL ELECTRIC REFRIGERATION

Sold and recommended by more Electric Light and Power Companies than any other electric refrigerator—also by franchised dealers everywhere



A good reason is not a good excuse

THERE is plenty of reason for the millions spent in repairing the damage done by leaking water pipes. As long as the builders of homes, stores, factories and office buildings practice the costly "economy" of installing inferior pipe, so susceptible to rust, leaking pipes will continue to levy their toll in the shape of plumbers' and plasterers' bills, damaged walls, furnishings and goods.

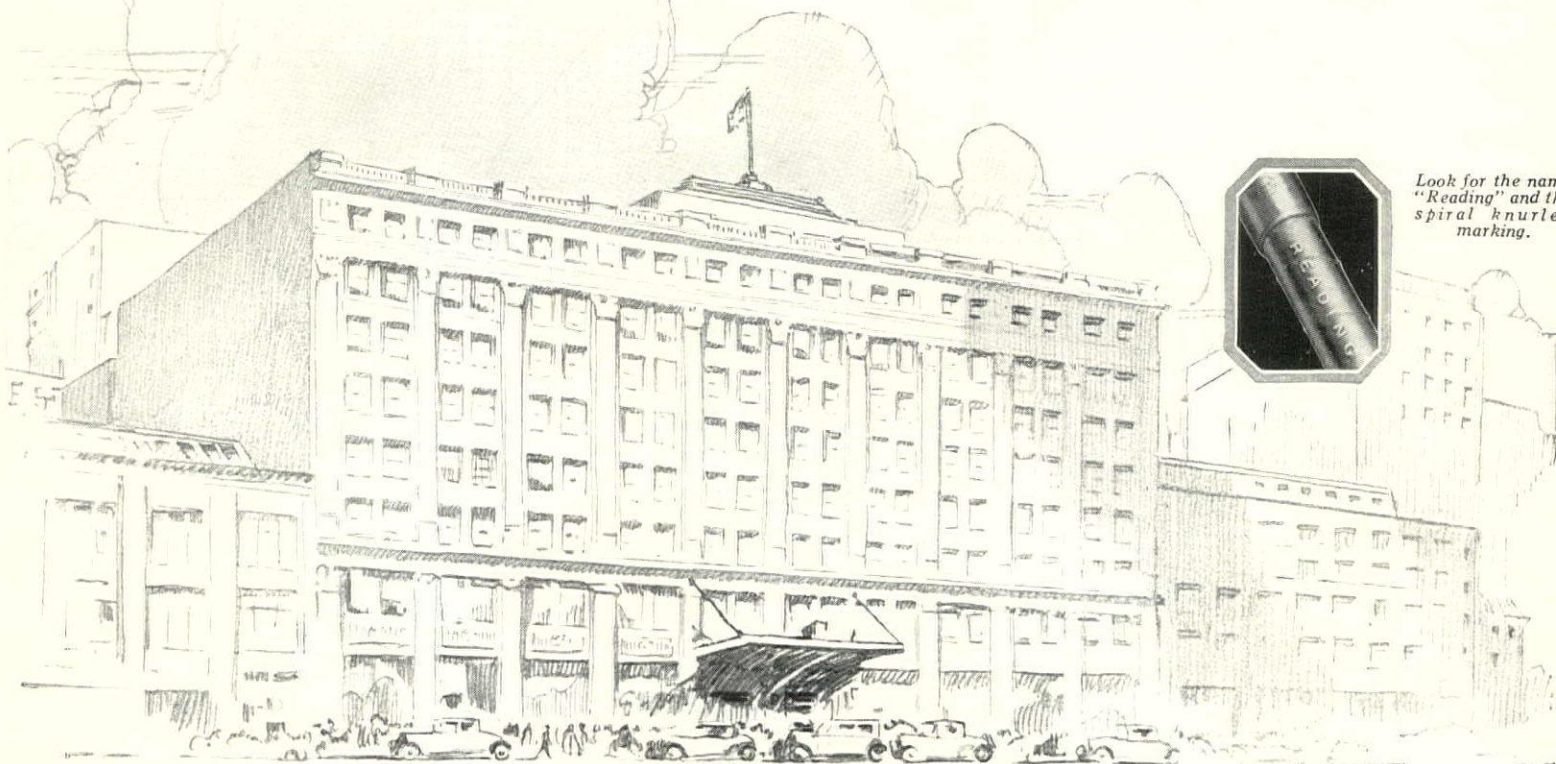
But there is little *excuse* for such waste. Ask your plumber, architect or builder about the rust-resisting qualities of Reading Genuine Wrought Iron Pipe. He will tell you that on the cost-per-year basis Reading costs less than the cheapest pipe you can buy.

The high resistance to corrosion offered by Reading Genuine Wrought Iron is your *one* and *only* insurance against leaking pipes.

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Pittsburgh	Cincinnati	Chicago	Seattle
St. Louis	Los Angeles	San Francisco	Dallas



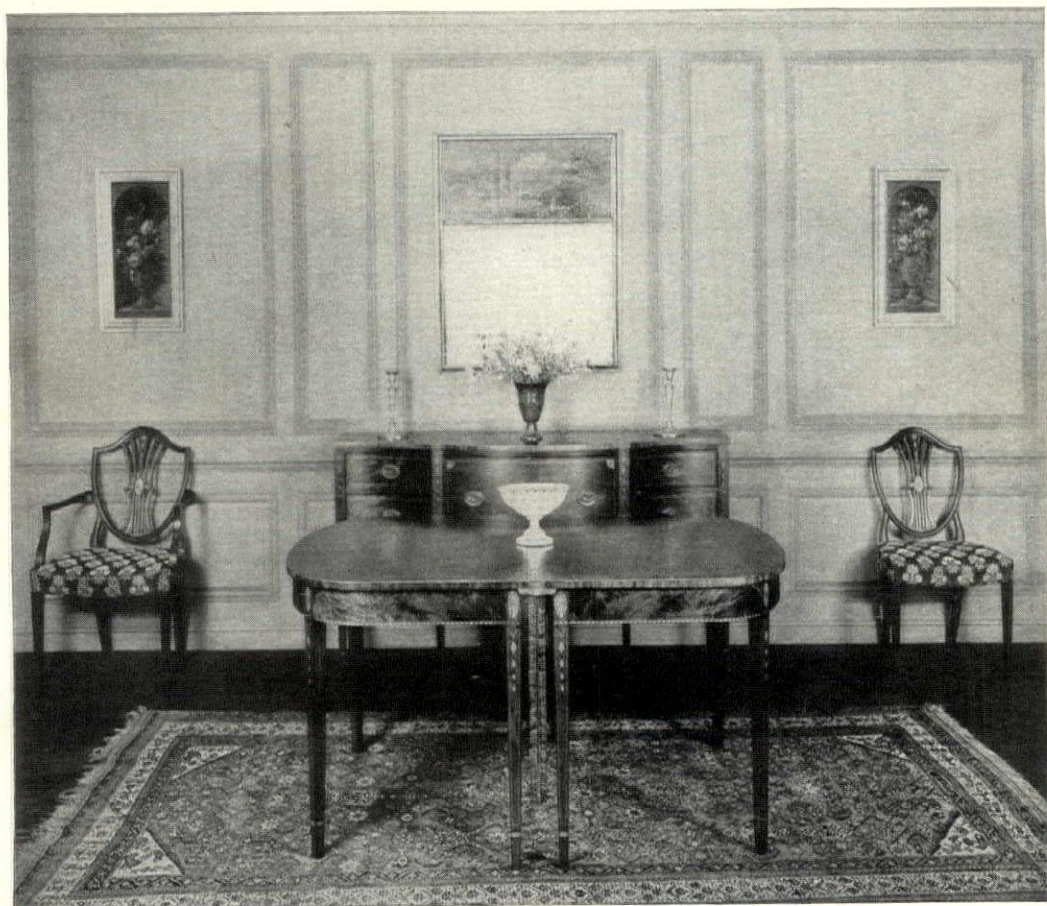
Look for the name "Reading" and the spiral knurle marking.

READING PIPE

GENUINE WROUGHT IRON

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AMERICAN HEPPLEWHITE MAHOGANY FURNITURE, by Kensington

THIS charming group is not only representative of the superlative work of our late 18th Century American cabinet-makers but also of the discriminating choice in design that characterizes all Kensington reproductions. The sideboard is an exact copy of an old New England piece, most entertainingly inlaid with the eagle, shield and star that mark it definitely as American. The two-part dining table is as flexible as any modern form but infinitely more interesting and

decorative; and the saddle-seat chairs, from an example in the Metropolitan Museum, are as comfortable as they are delightful in line and proportion.

Made by hand throughout of beautifully figured mahogany, and finished in the rich, mellow tones of old wood to withstand both heat and dampness, these pieces are as fine examples of the cabinet-maker's art as any age has produced, while practical considerations make them decidedly preferable to antiques.

Kensington Furniture is made in all the decorative styles appropriate for American homes.

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Write for illustrated Booklet H and pamphlet, "How Kensington Furniture May Be Purchased"

SHOWROOMS ~ 41 WEST 45TH STREET ~ SIXTH FLOOR

Even modest homes may
be trimmed with

McKINNEY FORGED IRON HARDWARE

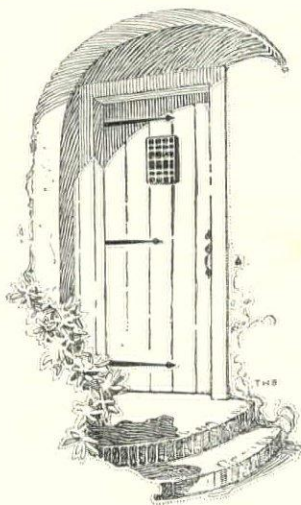
*A contribution to the art
of Better Home Building*

DISTINCTIVE as forged iron hardware is, desirable as it has always been for those who seek to avoid the commonplace, it has only now become really available for homes of moderate size.

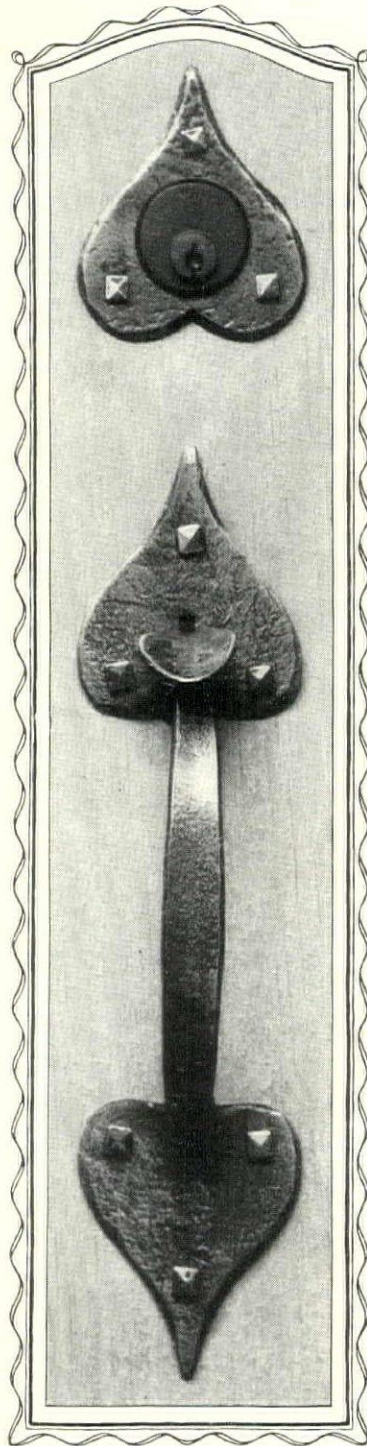
Forged iron hardware has been for centuries the work of skilled artisans. The cost of producing individual pieces was so high as to make it beyond the purse of all but a comparatively small number. And modern building methods and materials made it necessary to have every piece especially made to fit the circumstances.

But McKinney, with resources growing out of more than sixty years of association with the building field, has brought about an innovation of great importance.

After many months of fullest research by eminent architects, the best and most typical designs of forged iron hardware, developed by metal craftsmen throughout several hundred years, were agreed upon, and from these, four master designs were decided upon to form the basis of McKinney Forged Iron Hardware.



The skilled McKinney organization already had complete understanding of all essential building problems. Long experience with architects, builders and hardware men assured solution of the ordinary difficulties of application. *And the result has been the creation of forged iron hardware authentic in every detail of design adapted to all building requirements, and on display by leading Builders' Hardware merchants at prices which bring it in range for homes of moderate size.* The four master designs of McKinney Forged Iron Hardware are known as the Heart, Tulip, Curley Lock and Etruscan. Of these, the first three are typical of English and Colonial ironwork. The Etruscan embodies the essence of the

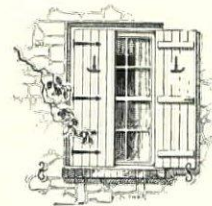


An unretouched photograph of the Heart design entrance handle set in Relieved Iron finish . . . The reproduction shows to some degree the exquisite texture of this fine hardware . . . The variety of designs and finishes obtainable in McKinney Forged Iron offer unusual opportunity to express individuality by personal selection.

many beautiful designs produced by Southern European nations during the sixteenth, seventeenth and eighteenth centuries.

In each of these is exemplified the rugged, yet malleable qualities of the steel metal itself.

Without having a single special-order made, you may equip your house through



from cellar to garret, the essential pieces for every purpose. There are shutters, dogs and casement windows, bolts and fasteners, straps, entrance door sets, gate and garage hardware. For interior use there are the favorite H & L hinge plates, door pulls, knobs, catches and door latches and drawer pulls.

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To make possible a thorough appreciation of the varied uses of Forged Iron, McKinney has prepared a beautiful new Brochure. It presents two studies showing authentic applications of Forged Iron Hardware to four main types of entrance doors, interior doors, French doors, two types of casement windows, cabinets, gates and garages. Send for this Brochure at once. Visit your Builders' Hardware Merchant to make your selection. If he has not yet received his stock, let us know.

SEND THIS COUPON TODAY!

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Kindly send me your Free Brochure on McKinney Forged Iron Hardware.

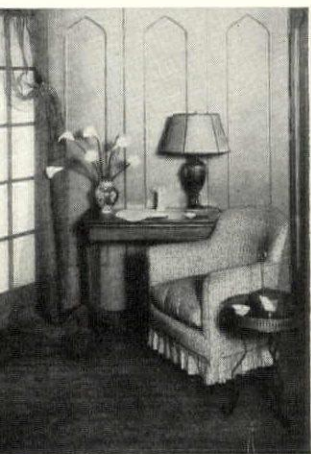
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 PHILADELPHIA
 Telephone—Rittenhouse 9008

TO the single bay window that contains a cushioned seat an unusually charming effect can be given by the addition of curtains and a valance, especially where the window is in a country house bedroom. There is something about the arrangement which demands informal treatment and is most effective when it frames an attractive outdoor view.

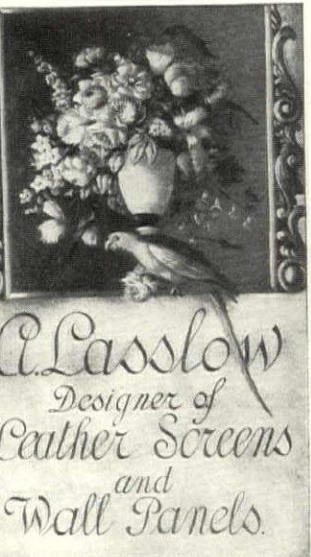
The curtains and valance can be linen in a solid color to tone with the general scheme of the room, and edged with a short cotton fringe so as to be readily washable. The valance is slightly curved to give greater height and variety of line. Cushions and a pillow or two contrasting colors complete the scheme with the exception of linen cupboards below the seat—always a worthwhile convenience.



THOSE whose hobby is the fitting up of their homes with objects that are unusual and in good taste know that a trifle of ingenuity, plus a small measure of time and expense, often produces results which only a large sum could purchase in their completed state. Besides the attractiveness of the finished job, such practices



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"Old Peg Leg"
 28" high
 \$28.00



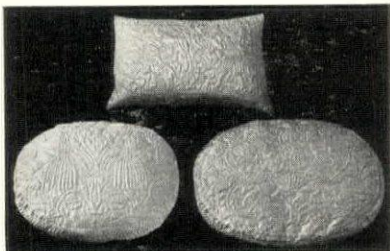
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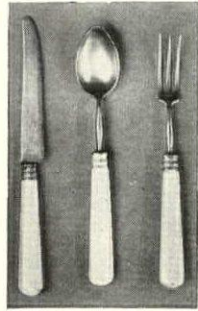
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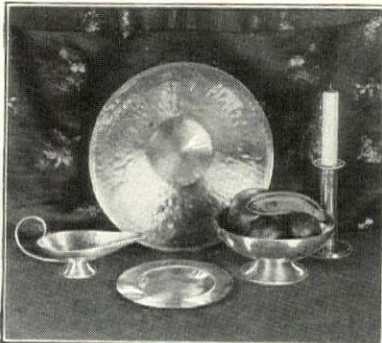


direct from Paris especially imported for the summer home. \$5 for six of either in Coral Pink Leaf Green French Blue Lapis Blue Pale Amber

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- 15 in. bowl.....\$125.00
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Moderate priced as well as larger pieces are carried on hand and made up on order COMPLETE CATALOG ON REQUEST

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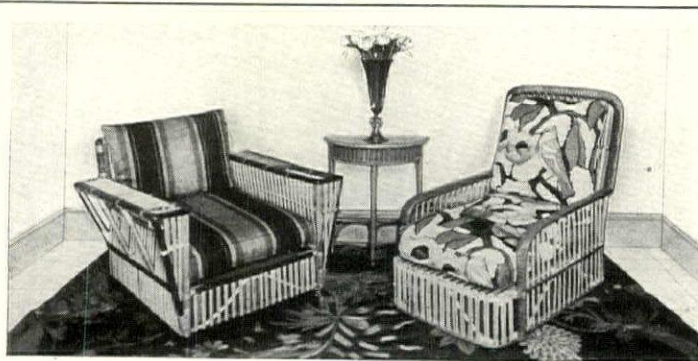
bring the genuine satisfaction of having really accomplished something that would otherwise have been out of the question.

For example, an inexpensive reproduction of an old brass candle sconce can be silver plated and screwed to a little old Chippendale style mirror (also available in moderate priced reproductions). The two together form a delightfully old-fashioned piece that could not be duplicated in the original for twenty times the cost.



COUNTRY cottage curtains, especially those in the little shacks where we spend perhaps but a few weeks each summer, are subject to conditions before which any but the most durable of fabrics soon lose the qualities which first commended them. Stress of sun and sudden showers, plus an unavoidable lack of care through a large part of the year, demand a sturdiness of more than ordinary extent.

To such curtain uses modern oilcloth lends itself admirably. In the larger stores it is now possible to secure this once lovely material in a gratifying gayness and variety of design. One may not catch it with tiebacks, perhaps, but when hung in straight folds from a simple cornice it leaves nothing to be desired.



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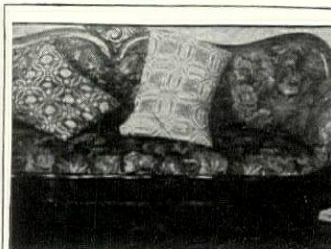


WE have a fine showing of this famous Indian Trade decoration in Coalport China. The Tea Cup and Saucer priced \$2.00 and the Sandwich Plate \$3.00. The excellency of good English bone china appreciated by all lovers of the beautiful.

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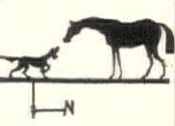
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Due to the very nature of such tables, which precludes permanent decorations in the form of runners, lamps, books, etc., they must in themselves provide some ornamental quality. Tops tastefully treated with painted designs are good in the informal country house. In other instances the desired ornamentation can take the form of handsomely grained wood, veneered conventional patterns, or Chinese lacquer in red, black and gold.



A PROBLEM that the radio enthusiast frequently would like to solve is that of moving his set about conveniently so that it can be used in different rooms of the house. With the small portable installation this is easy, of course, but with the large sets it is a different story.




A TOKEN OF AFFECTION

is the title of the above silhouette, a companion to "In Grandma's Day," both from originals cut by Doris Burdick. Size about 7 x 8 1/2 on paper 8 x 10 inches. Price \$1.00 each.

Illustrated list of silhouettes of heads sent on request.

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Arlington, Mass.

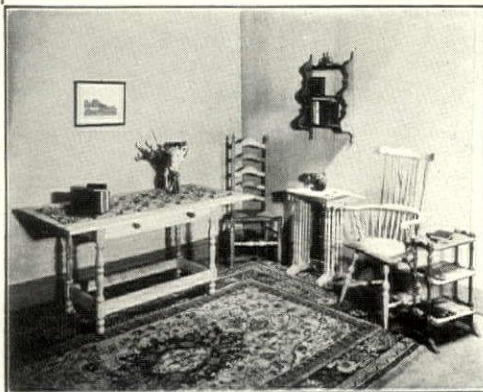


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attach to steps or porch.

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EASY CHAIR
of Wand Willow**



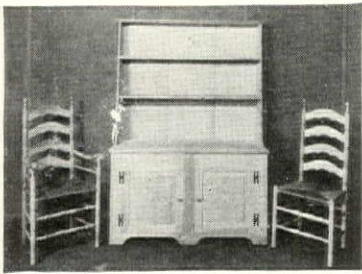
A delightful and roomy lounging chair
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One solution of the difficulty is provided by an alcove which, set in a main wall, connects by means of doors with the rooms on both sides. Within this the cabinet is mounted on a turntable which can be faced in any direction.

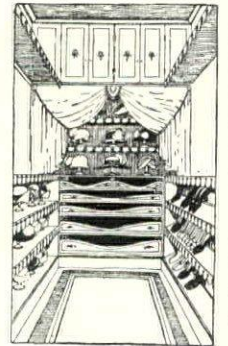
An interesting possibility is the decoration of the insides of the two sets of doors and of the alcove itself. A simple way to obtain such results is to use a scenic design in wallpaper, carrying the pattern across each area successively. The outsides of the doors, of course, are finished like the adjoining walls, and each side fits so closely that when closed it is scarcely noticeable.



AS long as tea sets are made in dainty shapes and colors, so long will the temptation to keep them visible at all times be irresistible. Which is quite as it should be, for to the discerning hostess and her guests at least half the pleasure attendant upon tea for three or more hinges on the charm of the porcelain in which the beverage is served.

Now, there is just one objection to the usual plan of setting the tea things on shelf or table between times: cups, saucers, creamer

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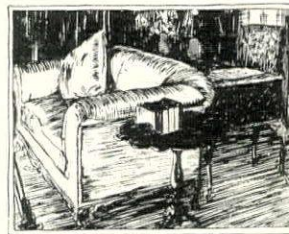
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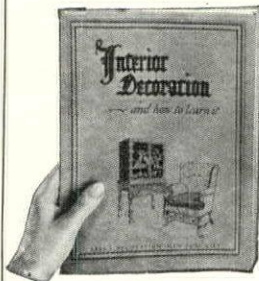
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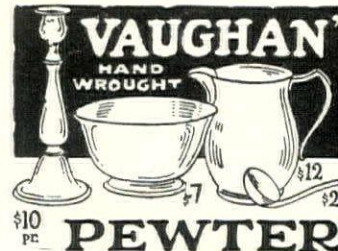
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and pot are bound to collect dust. Only by shutting them away behind closed doors can their cleanliness be preserved, and closed doors have a way of interfering with one's vision.

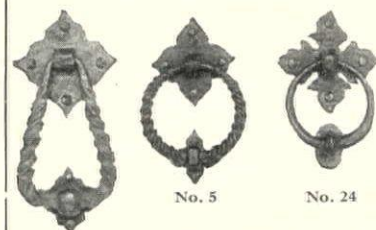
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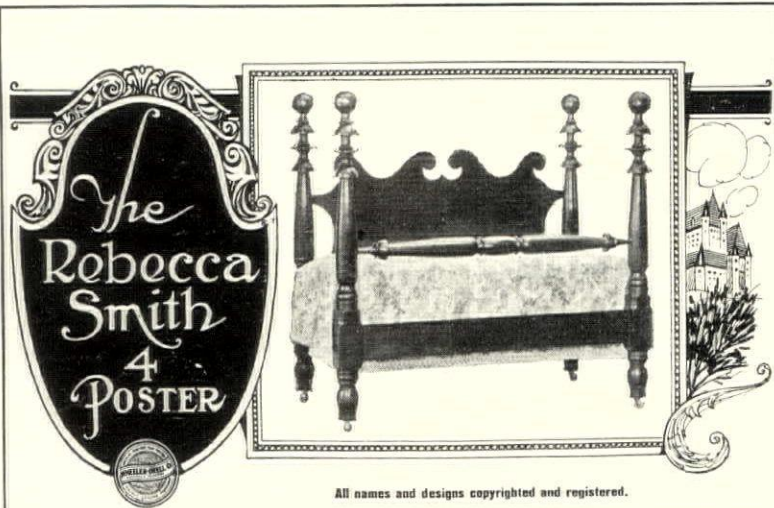
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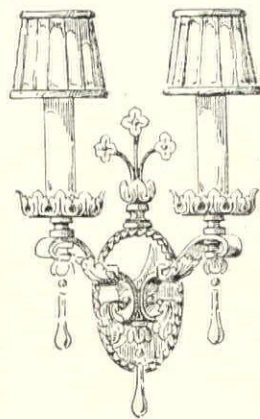
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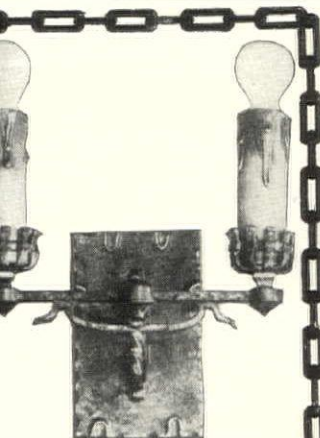


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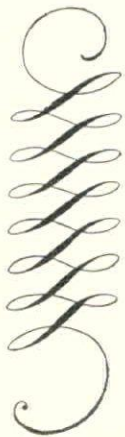
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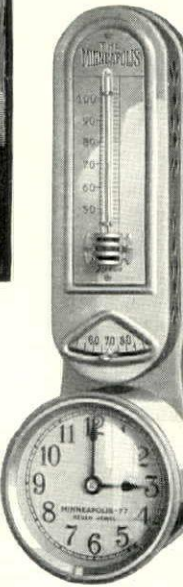
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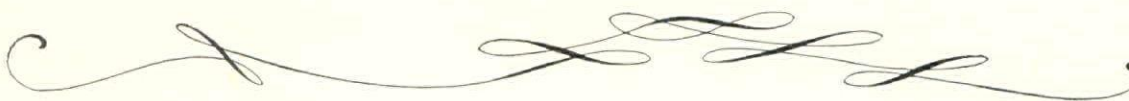
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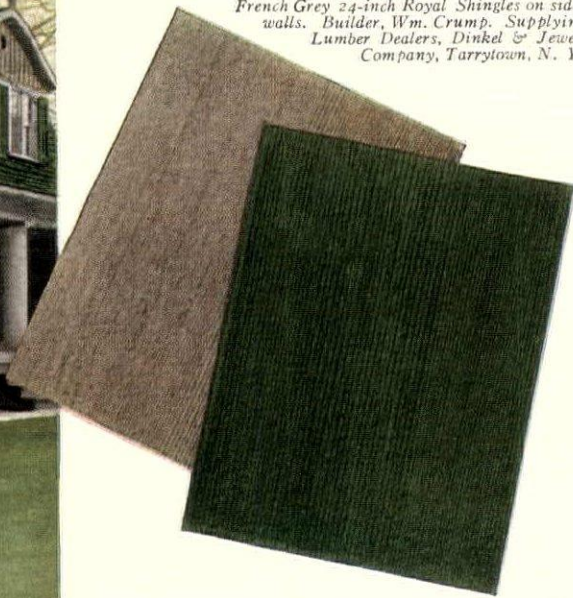
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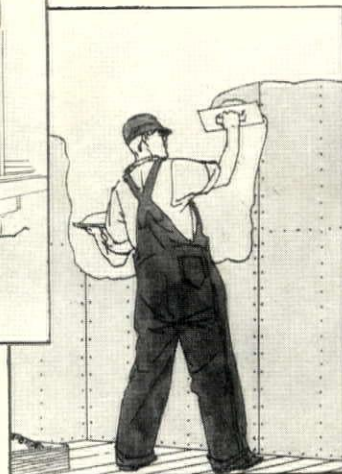
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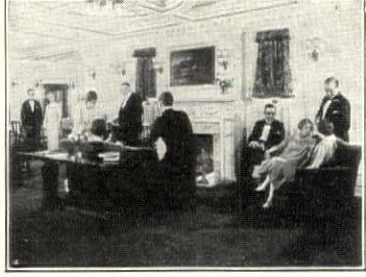
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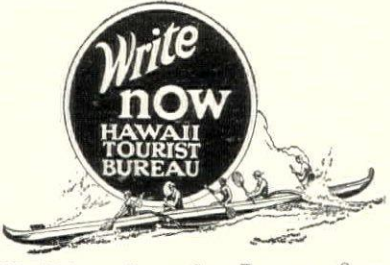
Autumn days are wonderful for golf, tennis, hiking, sightseeing at the great Volcano, shopping trips; Autumn nights scented with rare tropical perfume—musical with crooning Hawaiian voices blending across the waters from outrigger canoes. Moonlight swims in warm, caressing surf. Beach parties, dancing, motor rides along the Pali.

Easy

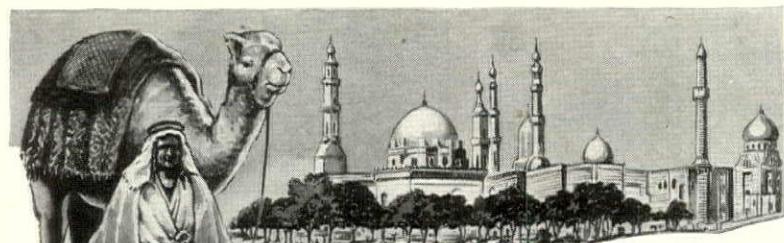
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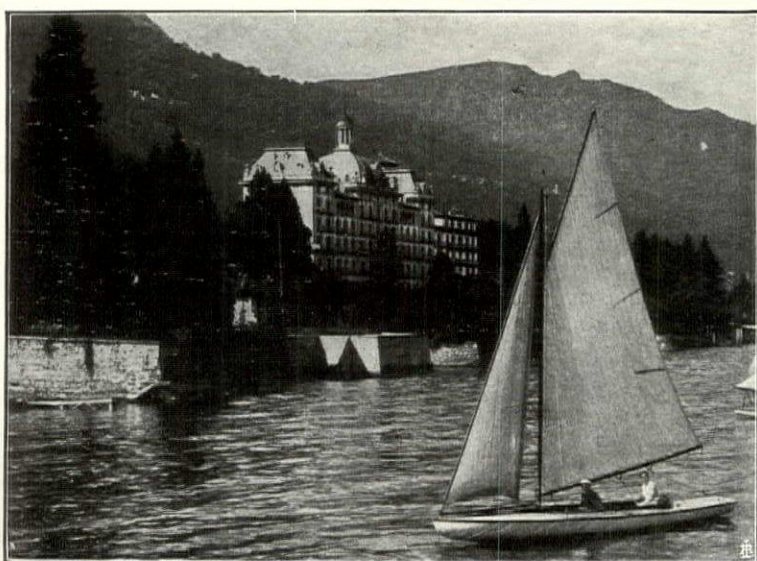
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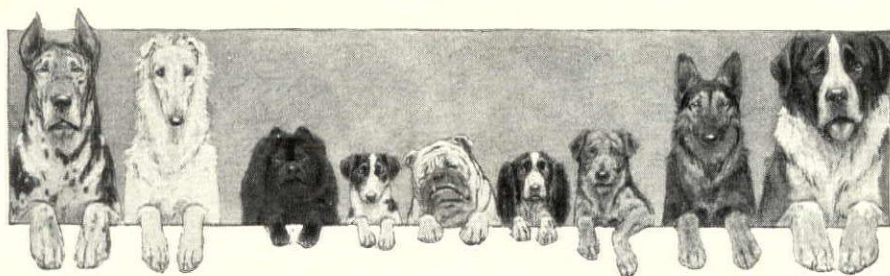
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PROBABLY none of the disturbances to which canine flesh is heir is more frequently given a wrong diagnosis, even by supposedly reliable veterinarians, than skin eruptions. Let a dog's epidermis show a little redness or a few pimply sores that keep him more or less constantly on the scratch, and a frightened yowl immediately arises to the effect that "Oh, he has mange! We must do something right away—it's a terrible disease—maybe he'll have to be put out of the way!" The next move is to plaster the poor beast all over with odoriferous liquid which probably has no other effect than to make the eruptions break out on other portions of his anatomy, followed perhaps by weeks or months of suffering by the dog and, in the end, sometimes his enforced departure from this life as a "hopeless case."

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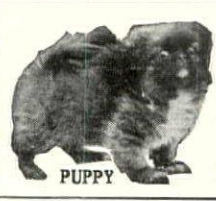
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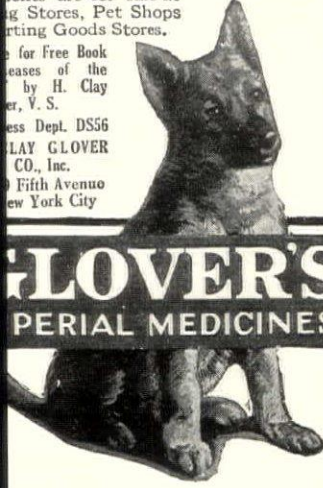
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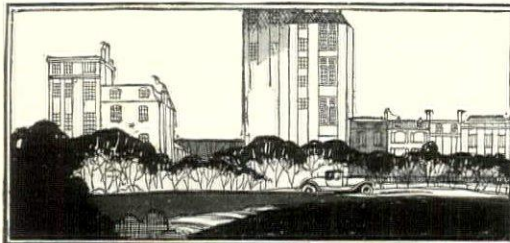
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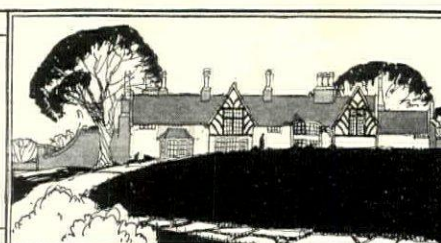
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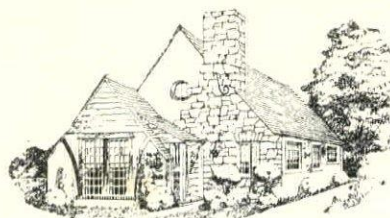
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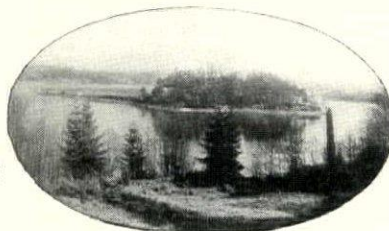
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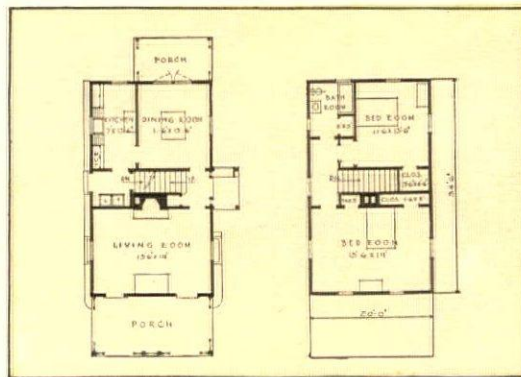
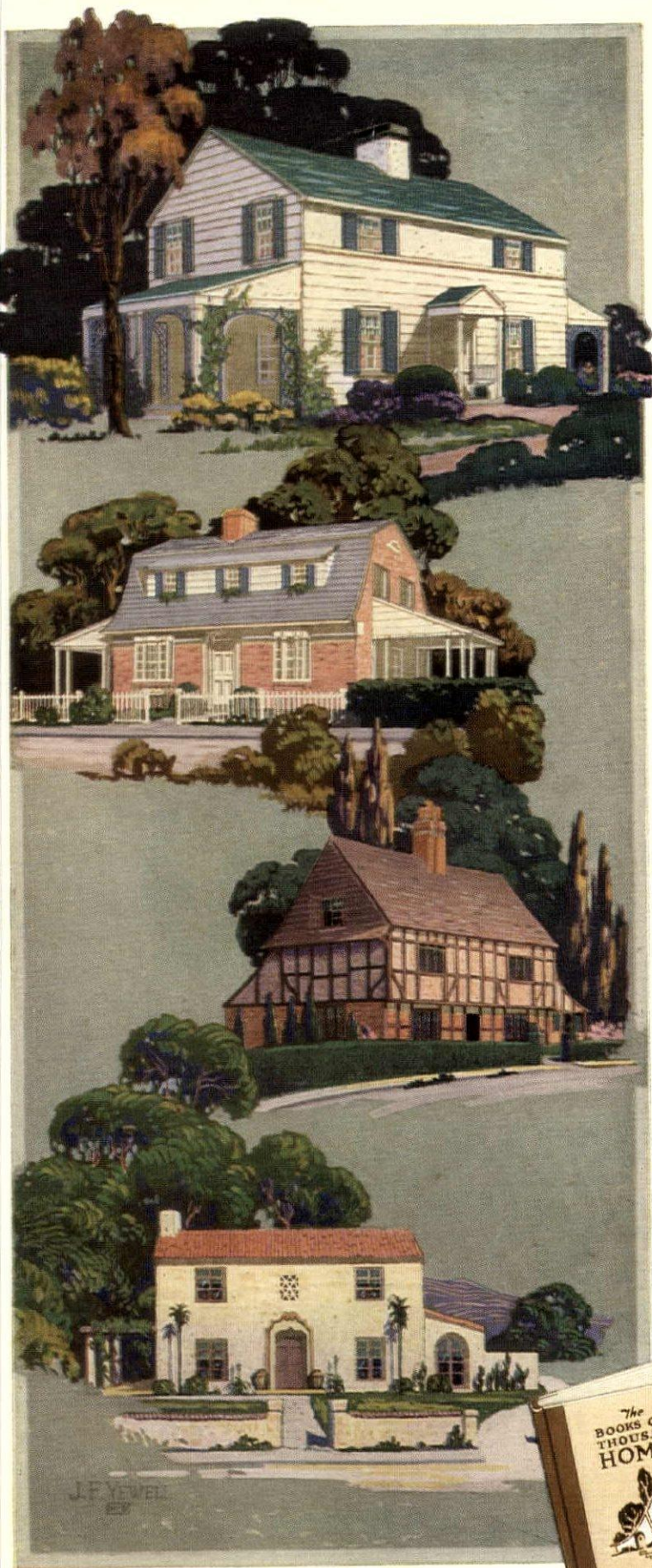
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Advertising in newspapers and magazines will announce locations of July and August demonstration model homes.

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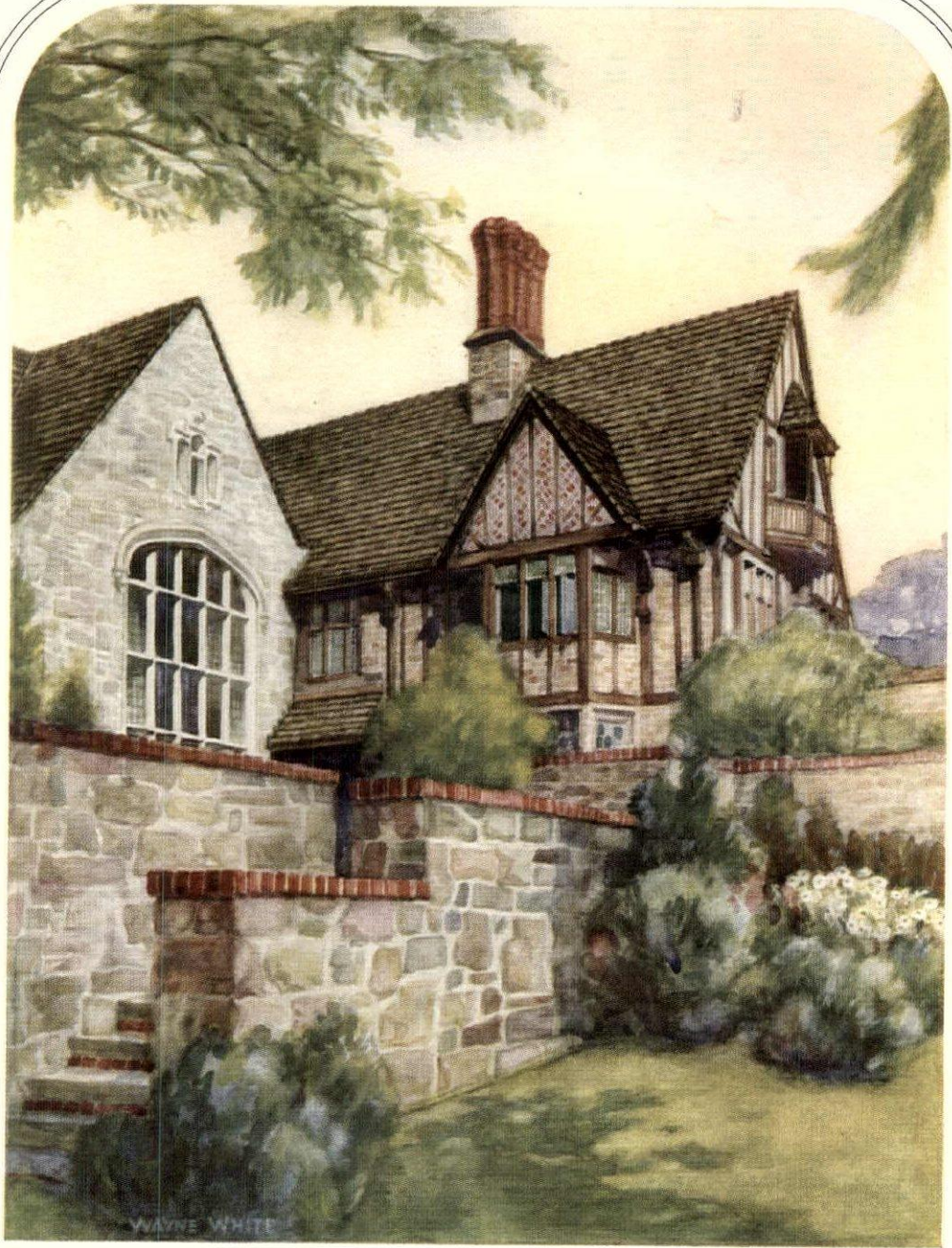
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A nation-wide movement for better homes

is now under way. Better building, proper architectural planning, adequate equipment, good furnishing and decoration, labor-saving gas, electric and oil devices, radio—all will be demonstrated for the education of the prospective home owner in a series of model homes now under construction throughout the country. The first six will soon be open to the public. The materials and equipment used in these model homes are recommended to the prospective home-builder.

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 and Stowe Phelps, Associate Architects. Roofed with IMPERIAL Hand Roughened Closed Shingle Tiles }

Tile Roofed Homes are Cooler in Summer



The heat-resisting quality of IMPERIAL Roofing Tiles is evidenced by their extensive use in tropical and semi-tropical countries.

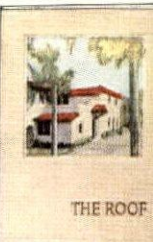
Throughout Florida and Southern California, as well as in Cuba, Porto Rico and the Canal Zone, roofs of these colorful, everlasting tiles are affording welcome protection from the burning sun.

IMPERIAL Roofing Tiles also are impervious to cold. Thus

they keep a home much warmer in winter, cutting heating bills appreciably.

Our illustrated color brochure, "The Roof," may give you many helpful ideas for your new home. It is sent for 25c in coin or stamps to cover postage and handling.

Address Ludowici-Celadon Company, Room 1107
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LUDOWICI-CELADON COMPANY

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IMPERIAL Roofing Tiles

When someone harnesses sunlight ~then I may give up my Oil-O-Matics"

JAMES OLIVER CURWOOD *measures the full comfort of a home*

You may think you really know comfort in your own home. But have you ever been in Curwood's? In his place tranquillity *must* be the watchword. You'd *like* it to be in yours.

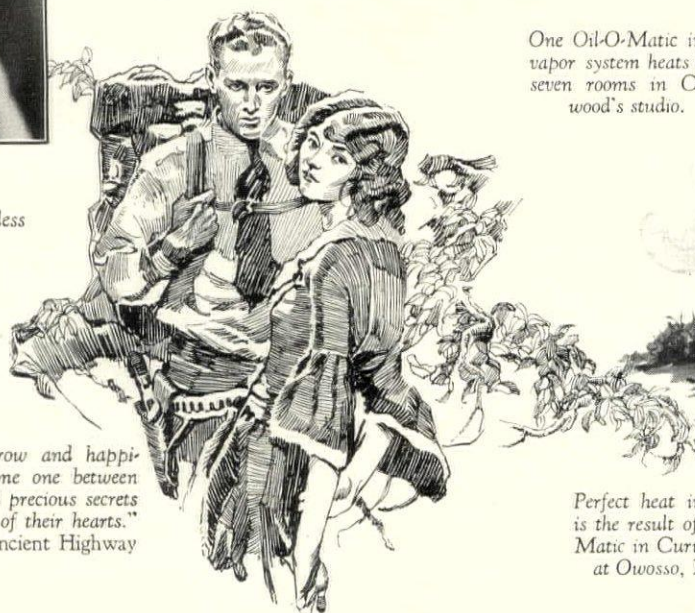
But *no* home annoyed by a coal furnace could be a fit place to write. Or, as millions are learning, even a fit place to live!

For, once you have oil heat, you'll admire your own patience for ever having put up with coal. Ask Curwood!



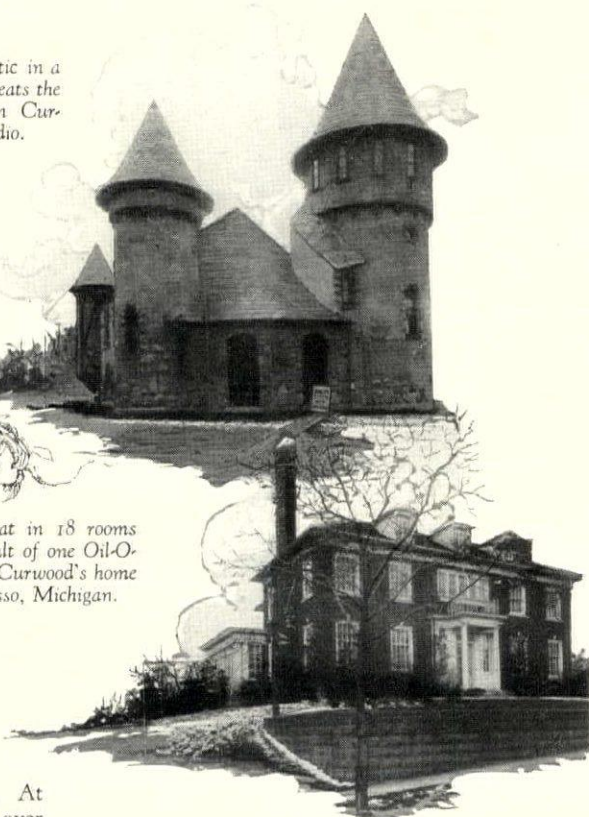
BY BACHRACH

JAMES OLIVER CURWOOD of *The Ancient Highway*, breathless romance of that intrepid angel, Antoinette St. Ives. Author of six years' best sellers.



"... sorrow and happiness became one between them, and precious secrets crept out of their hearts."
—The Ancient Highway

One Oil-O-Matic in a vapor system heats the seven rooms in Curwood's studio.



Perfect heat in 18 rooms is the result of one Oil-O-Matic in Curwood's home at Owosso, Michigan.

The foibles of a furnace would be sure to clash with any temperament like Curwood's. Enjoy the big timber—yes. But in the solitude of his home or studio—never! In this, he is like any other man. Comfort is a matter of physics. Without physical comfort, home is just a swept camp without the trout stream, without the stle of the deer.

Temperature Never Varies

"People burn coal," Curwood exclaims, "when they can have such service as I get, is beyond me. Like noonday on summer hilltops in my home when blizzards are snatching at the door. When I am deep in the north woods working on a novel, I know that Mrs. Curwood has no more to worry over the heating problem than I have. In my studio, without interruptions of any kind, even a furnace man is banned. My quarters never vary in temperature. Quiet as that prairie night."

Benefits That Repay You Tenfold

Are you any longer even the victim of an excuse for operating coal? Or spas-

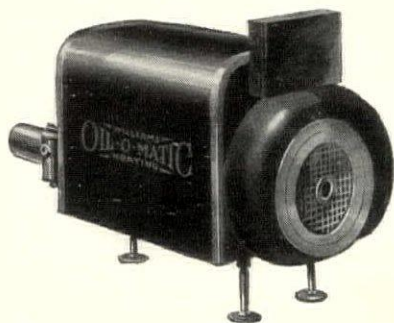
modic heat? The comfort and ease of a luxurious hotel is now available to you. There is less excuse now than ever. For the longer you put off enjoying oilomatic heat, the more you are paying for it. Every day's delay may be costing you 10% more for heat. At least, that is the average saving for Oil-O-Matic over hard coal. But even where it runs higher than coal, the comfort, convenience and cleanliness repay the owner tenfold.

Operating Cost Is Lower

Oil-O-Matic is listed as standard by the Underwriters' Laboratories to burn fuel oil, as well as any of the lighter grades. Perhaps this distinction lies in this fact: Oil-O-Matic operates according to the four natural laws of oil combustion.

Fuel oil not only contains more heat units, but costs less per gallon than lighter oils. So a random purchase of an oil burner, means you are paying for an Oil-O-Matic without enjoying its benefits.

Curwood may or may not know how his burner works. Or what's under the hood. He doesn't have to look at it. He does know that there is no part



No part inside the firebox

WILLIAMS OIL-O-MATIC HEATING

World's largest Producer of Automatic Oil Burners
Authorized dealers in every town and city of importance in the United States and Canada

inside the firebox and a special reason for it. He has confidence from experience that the safety devices will not fail him. For no part of Oil-O-Matic can work unless all are working right.

Pay as You Enjoy It

With such service as Curwood's being duplicated in so many thousands of homes, it is a cautious man, indeed, who would seek further encouragement to act promptly. There is a trained oilomatician in your community, however, who will gladly go into all the details with you. He welcomes those who prefer to buy out of income rather than capital.

The coupon below brings a rather novel book on the subject. "Heating Homes With Oil" is said to be the clearest exposition of this modern method of heating homes. It is sent without charge.

Williams Oil-O-Matic Heating Corp.
Bloomington, Illinois H. G. 86

Without obligation, please send me "Heating Homes With Oil," by return mail.

Name

Home Address

Our heating plant is:
 Steam Hot Water Warm Air

Frock No. 8605 is in lace and georgette, and so is Frock No. 8604, with tight hip and full front. Frock No. 8606, an excellent choice for the large woman, makes its point with crêpe satin and fringe



8605

8604

8606

BUY ON A RISING MARKET!

Vogue Shows the Smart Woman how to Avoid the Extravagance of Mistakes

THE woman who spends money wisely on her clothes is the woman who never buys a mode that's going—or one that's coming too fast. The mode that's going will be gone before her dress is worn out. So will the mode that reaches its peak too quickly, because it will be over-popularized, reproduced in cheap copies,—and killed.

The mode to buy is the one that is on the up grade, and worn by the right people.

Vogue mirrors these women, follows them as they move from place to place, chronicles their fads, sketches their clothes. Every bit of Vogue's experience goes, not only into the magazines where you can read and look at it, but into Vogue Patterns where it's turned into tissue paper and slipped into a little grey envelope. Vogue Patterns are not made for the average woman. She would think them too advanced, as well as too expensive. They're made for the woman who wants to look like the chic Parisienne, the smart New Yorker, no matter where she lives.

Vogue Patterns are gifted with almost the power to talk. Because the envelopes have cutting charts on their faces and fitting charts on their backs. If there's any new little trick in the dress, it will be explained clearly in a detail sketch; if there's any point to guard, it will be marked with a danger signal. Such advice from any good dressmaker would be worth paying for; but, from Vogue, it's worth its weight ten times over in the worry it removes from your mind. No wonder you feel "dressed by Paris" when you're through at last, and gazing in the long frank mirror that has never told a lie!

Why don't you go to the nearest Vogue Pattern store today and ask to see the Vogue Fashion Bi-Monthly that shows all the Vogue Patterns, as well as the coloured sketches from New York, developed in the store's own fabrics? Consult the Vogue Pattern saleswoman, too. She knows many things about lines that are good for certain types of figures, and which patterns are simple enough for the amateur.

Vogue Pattern Designs for the current month are on sale at all leading stores in the United States, and at the offices of Vogue here and abroad listed oppos



The low-placed flounce and the shoulder flower (pattern included) give interest to Frock No. 8608. Bolero and shirring are the secrets of No. 8607. The bertha with the cape back is exemplified in No. 8609

8608

8607

8609

FACING TOWARD THE AUTUMN

*Fabrics and Colours For
Summer that will be good
till December arrives*

NOW'S the time for all smart women to cease facing springward, where the mode came from, and look autumnward, where it's going to land. All the dresses bought now—even the late summer dresses—should be planned with fall colours in mind, fall fabrics, fall lines. All of them ought to be just as appropriate under a fur coat as they are with a big hat and an electric fan. . . .

Look at the six figures on these pages and decide which of them is you. . . . Are you the lady in georgette and lace, with the new tiered effect and that interesting droop toward the back in the way the tiers are cut? You might choose mustard colour if it's becoming—quite new, that shade. . . . Or are you the woman next to her who has declared in favour of the tight hip, the bloused waist, the full skirt, the puff sleeve in Chanel red georgette? . . .

But perhaps there's too much of you for either of these dresses. Then look well at the frock in crêpe satin and fringe—one of the best models there is for a large woman,

and ever so smart. Make it in dark blue or black and be happy over the compliments you'll get.

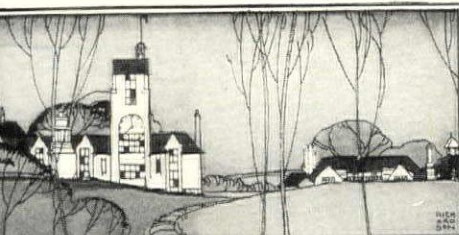
The woman at the left in the second group has the new flounce, placed very low. She loves green and has her frock made in semi-sheer crêpe. The flower on her shoulder is of the fabric, and a pattern for it goes with the dress.

"Boleros are good—and so young!" Says Figure Number Five, "and if you've plenty of shirring, you're better still."

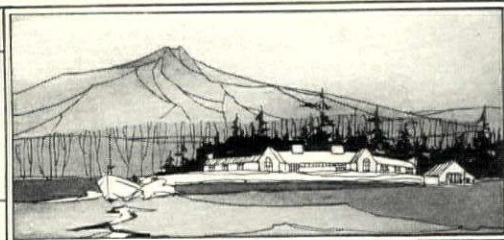
"Berthas are as smart as boleros," number Six says calmly, "and, personally, I prefer them. Mine goes to the most interesting sort of point in back, giving a cape effect in semi-sheer crêpe, in midnight blue. Think how much use I'll get out of this dress!"

Six dresses. Don't you see one you can't do without? Or two? Or four? . . . Wise woman! Vogue, New York and Paris fortune teller, prophesies for you a successful season—if you act at once!

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If this is the case, the experience of further in-
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with our thoughtful suggestions at your disposal
for the asking.

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to your boy about it...
Consult these pages...
Or call or write to us.

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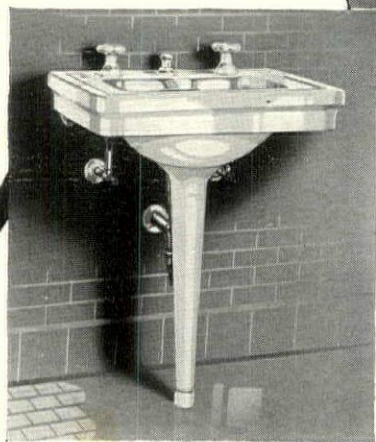
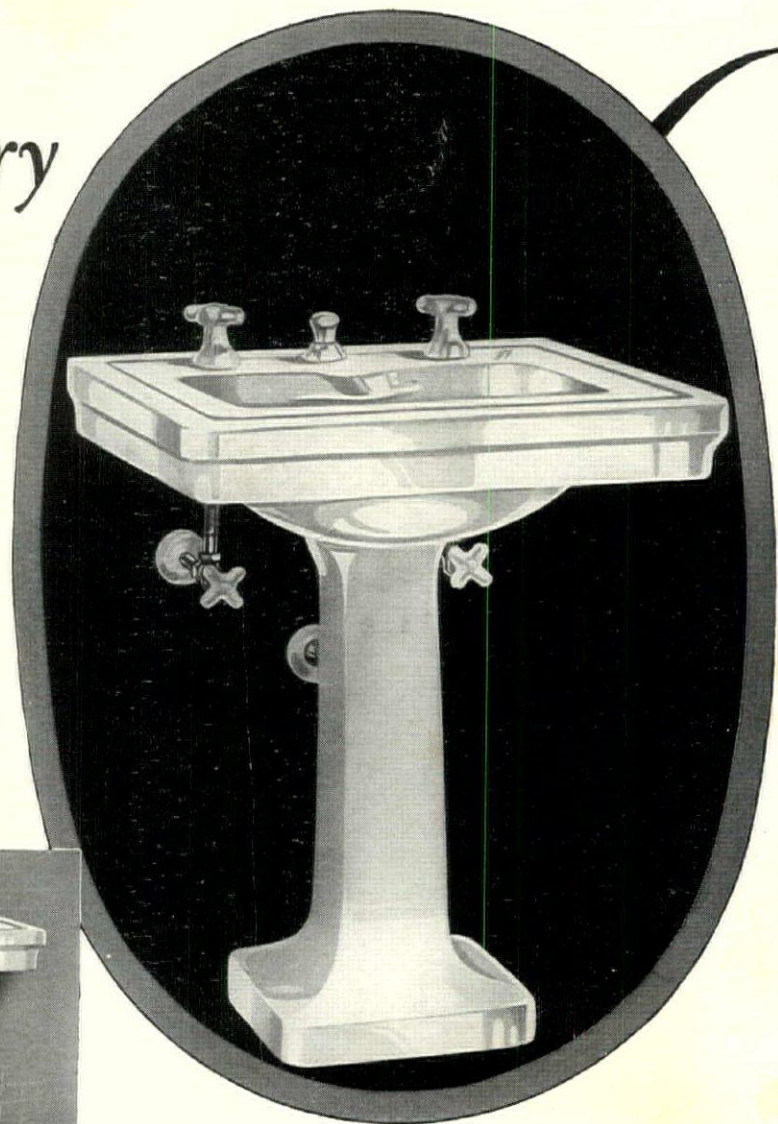
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—a type for your
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THE Maddock "Madbury" Lavatory of Durock is the last word in beauty, convenience, cleanliness and durability.

The larger illustration shows the pedestal style; the smaller, the leg style. Both are identical in every detail except the method of support.

Because the leg style costs less to manufacture, it may be had at a somewhat lower price than the pedestal style; also it may be obtained, if desired, in a smaller size.

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There is a Durock distributor in your vicinity. Ask your plumber.

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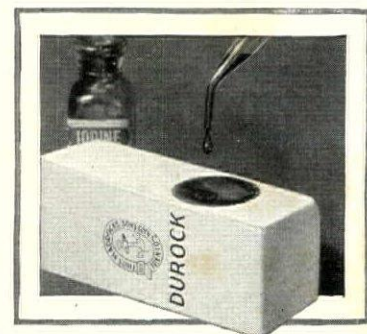
MADDOCK

DUROCK Bathroom Equipment

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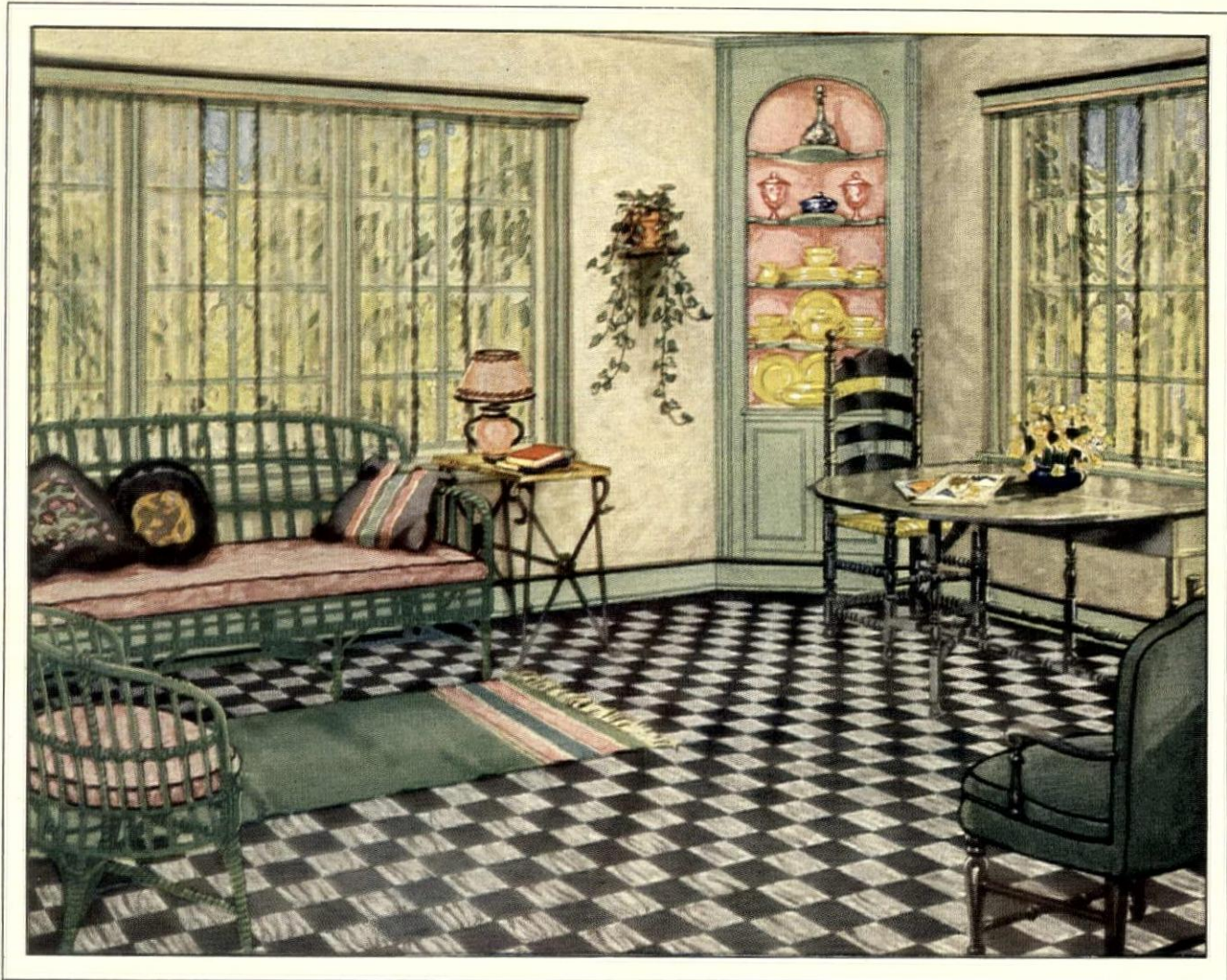
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is stain
proof



IODINE is often dropped on the lavatory basin. It will leave an indelible stain on ordinary coated ware but can be readily wiped off of a Durock lavatory.

Durock cannot be stained.



The charm of this sun room begins with the floor—one of the newest designs in Armstrong's Linoleum. Marbleized Inlaid No. 0283

Marbleized - Armstrong's new idea for prettier floors

THIS latest creation of Armstrong's designers is a new fashion in floors. Armstrong's Marbleized Inlaid it is called. "Marbleized" because the colors are finely blended in a soft, striped effect so restful to the eye; "Inlaid" because every single color in the design runs clear through to the burlap back.

It comes in different color combinations and designs—black squares set off by alternate squares of two-toned gray; mottled browns with dark interliners and contrasting blocks of light cream; blended blues framed in white—colors and designs that have caught the eye of decorators and captured the interest of architects.

The old virtues of Armstrong's Linoleum—the ease with which it can be cleaned, the years and years that it will last if properly laid (cemented over builders' deadening felt) and waxed and polished as needed—are all part of these marbleized floor designs.

All this might sound costly. *It isn't.* You can lay one of these smart new floors for but

little more than you would pay to restore a worn wood floor. But what a difference in the effect—and you have a brand new floor that should last as long as your house itself.

Good furniture, department, or linoleum stores will show you these newest designs in Armstrong's Linoleum.

When you stop to see them, picture in your

Printed Design No. 8430



Printed Design No. 8297



mind's eye one of these patterned floors in your own home, your fabric rugs spread over its smoothly polished surface, your furniture in place. Then you will truly realize the beauty of these newest Armstrong creations. There are many to choose from, and—

Pretty printed patterns, too

Armstrong's designers have also introduced many new ideas in printed linoleum. Every design is printed in clear, full-toned colors on genuine cork linoleum of a quality equal to any that bears the Armstrong Circle A trademark. If you rent, if your budget is limited, ask to be shown these low-priced floors of modern beauty—Armstrong's Printed Linoleum.

For 25c (60c in Canada) our Bureau of Interior Decoration will send you a practical book on home decoration, "Floors, Furniture, and Color," by Agnes Foster Wright. Many illustrations, in full color, of correctly decorated rooms. Address Armstrong Cork Company, Linoleum Division, 839 State Street, Lancaster, Pennsylvania.

Look for the
CIRCLE A
trade-mark on
the burlap back



Armstrong's Linoleum

LAIN INLAID for every floor in the house JASPE PRINTED



Look for this trademark on the back of the goods

Style illustrated is reproduction of No. R4145 (1/5 actual size)

The best reason for using Sanitas is that it pays

SANITAS

MODERN WALL COVERING

Makes your walls an investment

Styles for every room in the house

Plain and Pastel Flat Finish

tints that can be hung as they come, or stenciled, frescoed, or Tiffany blended.

Decorative Flat Finish

conventional and foliage patterns, neutral toned designs of vague formations, stripes, mottled effects, and reproductions of tapestry, grass-cloth, leather and various fabrics.

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the fabric back of Sanitas, with its tensile strength of forty pounds to the square inch. Plaster walls covered with Sanitas, crack only from the most extreme settling of the house, and even then the cracks are greatly restrained from spreading, and do not show through the face of the material.

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Sanitas is an investment, not an expense.

See the new Sanitas styles at your decorator's, now.

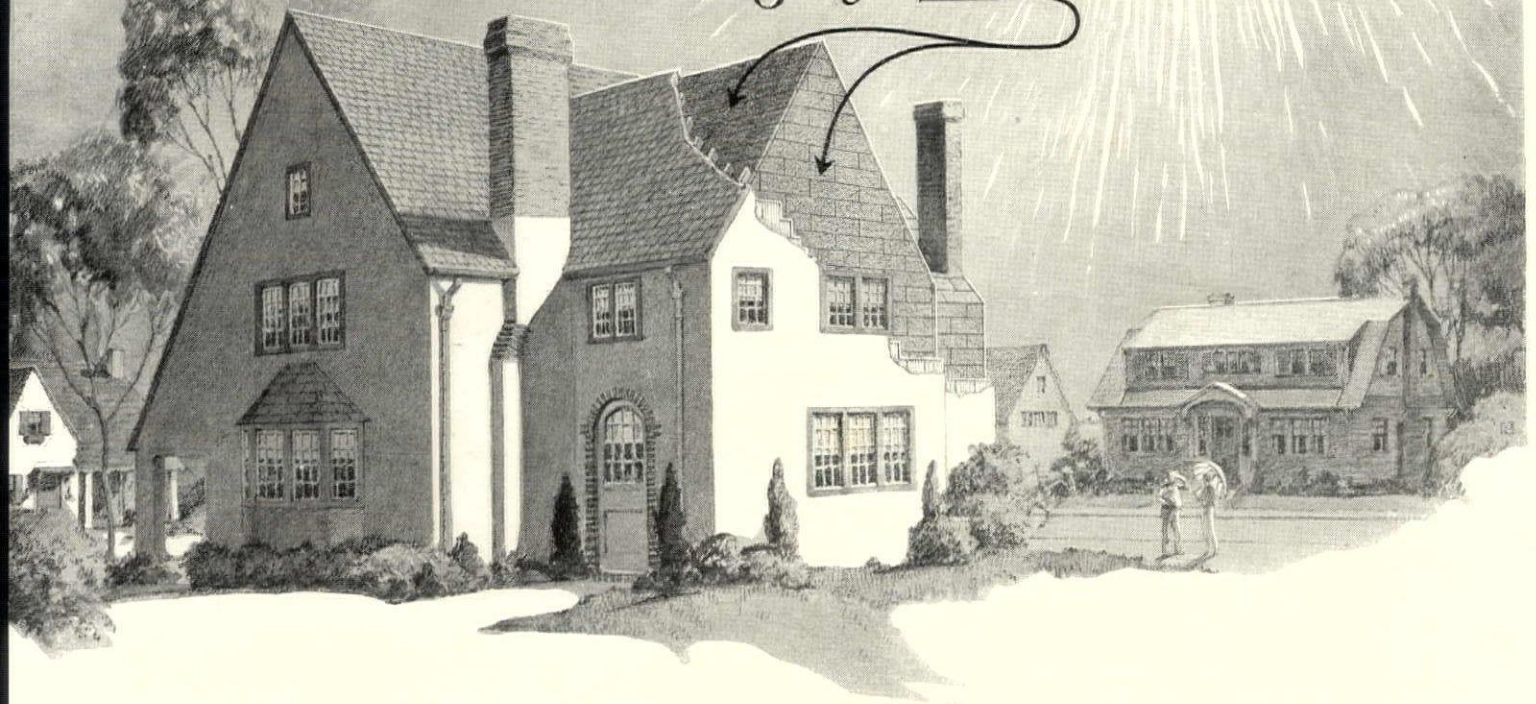
Write to us for samples and illustrated booklet.

THE STANDARD TEXTILE PRODUCTS CO.
320 Broadway, Dept. 21, New York



When you visit Atlantic City, see our Sanitas Exhibit at 1410 Boardwalk, Central Pier.

Keep out summer's heat with a lining of Cork



SIZZLING hot sun . . . ninety-eight in the shade . . . not a breeze stirring. Yet it is many degrees cooler inside of *this house*.

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Made of pure cork in boards 12 inches by 32 or 36 inches—from 1 inch to 3 inches thick.



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A Heatproof Lining for Walls and Roofs

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GENTLEMEN—You may send me complete information about the insulation of dwellings with Armstrong's Corkboard.

Name

Address

AUGUST

RELAX



NURMI—the greatest middle distance runner and long distance runner of all time, up to the marathon route, introduced the system of starting each race from a relaxed position. He put no strain upon his nervous system and his muscular system by tautness or over-tenseness. Strain, like worry, is one of the great destroyers. He discovered that ease and repose helped to build up the pliability which leads to speed and stamina. He keeps relaxed up to the starting gun and this study in relaxation has been a big factor in bringing him more world's running records than any one man ever held before. His mastery of relaxation has kept both nerve and muscle fresh for the winning spurt.

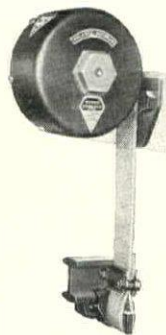
Grant and Rice



UNTIL Nurmi showed the way, no one thought of the practical value of Relaxation in winning races. Until Stabilation showed the way, no one thought of the rest-value and health-value of Relaxation in Motoring.

We are creatures of habit. Years of motoring with every nerve and muscle on guard against the sudden thrusts and throws of spring-recoil, built up the habit of tension. We came to accept fatigue as a necessary result of motoring. Even when you ride in a Stabilated car, you probably will not relax at first. Old habits are too strong, but gradually, as you realize that the expected thrusts and throws do not come, a new habit will assert itself. You will sit back, relax and rest. Then each moment in your car will be refreshing, invigorating instead of tiring, a source of energy instead of fatigue, a means to health.

Relaxation is possible only when you know that no force can throw you. The only way to prevent any force from throwing you is to resist each force in keeping with its magnitude. And right there you have the Stabilator principle. This Stabilator principle is patented — and Watson Stabilators enjoy complete, sole and exclusive license under these patents.



Such pre-eminent cars as Cadillac, Chrysler, Duesenberg, Franklin, Isotta Fraschini, Jordan, McFarlan, Peerless, Stutz and Willys-Knight, are standard equipped to give you relaxed motoring.

JOHN WARREN WATSON COMPANY, Twenty-fourth and Locust Streets, PHILADELPHIA

The NEW STUTZ

with SAFETY CHASSIS



The Safest Car
now made
even Safer

WE now announce NEW STUTZ models, including seven-passenger cars, in which every window, as well as windshield, is of special safety-glass. This eliminates the hazard of injury from flying shattered glass, at front, sides and rear. These NEW STUTZ models are the first cars ever built regularly equipped with safety-glass all around.

The phenomenal sales of The NEW STUTZ attest the success with which this advanced automobile meets the public demand of today.

And The NEW STUTZ, with Safety Chassis, already the world's safest automobile, is now made still safer for its occupants.

No other car has this combination of safety features:

Safety-glass in windshield and all windows. Narrow, clear-vision front corner-posts.

Frame of unequalled strength and rigidity, with integral steel running-boards ("side-bumpers").

Perfect road balance; elimination of side-sway achieved by scientific frame and spring arrangement. Stabilizers and long, low-rate flat springs co-ordinated for ideal action.

Unparalleled stability, gained by a radical lowering of the "center of mass" of the car. The resistance to overturn is so great that one side of the car may be raised more than three feet higher than the other without toppling the

car over. This lowering of the center of mass is made possible by The NEW STUTZ worm-gear drive, manufactured by Timken.

Hydrostatic four-wheel brakes, developed and built by Timken; greatly increased effective braking surface, with perfect equalization of braking energy at all points on each wheel. Non-leaking, no adjusting; quick, even deceleration — no discomfort to passengers, no skidding, no swerving, no side-sway.

Instant acceleration from ten to fifty miles per hour in less than eighteen seconds; an alertness that quickly pulls the car out of tight places. And speed adequate for all occasions.

The entire car has Underwriters' Class A rating on both fire and theft. It is permanently protected at no cost to the car owner by The Fedco Number Plate System in co-operation with the William J. Burns International Detective Agency.

See The NEW STUTZ cars with safety-glass all around as the final safety attainment in the automobile that most successfully meets modern motoring conditions.

Your local dealer is now showing these models, which in addition to their exclusive safety features have a custom-like smartness of body design and the utmost luxury of appointments.

STUTZ MOTOR CAR CO.
OF AMERICA, Inc.
Indianapolis

Eight body styles, designed and constructed under the supervision of Brewster of New York. All closed bodies automatically ventilated.



The symbol
of Safety

"It is a serious question whether manufacturers in the past have given adequate thought to the element of safety in the cars they have sold to the general public. Over a period of years our motor-car manufacturers have stressed everything but safety features . . ."

F. W. JOHNSON, Director Citizens Safety Committee of Philadelphia at the 1926 National Conference on Street and Highway Safety — SECRETARY HOOVER, Chairman.



Women
ARE NATURALLY ENTHUSIASTIC
OVER THESE UNUSUAL
QUALITIES



American women possess in high degree two precious characteristics—a fine sense of discrimination and sound sensible thrift.

The appreciation of womankind for the smart, continental beauty, the wonderful ease of riding and driving, the thorough dependability, the safety and the proved endurance of the Chrysler "70", has naturally made it the preferred car wherever society meets.

And how instantly its pre-eminence has grown, now that the new lower prices give savings of \$50 to \$200 with absolutely no change in the performance, quality, comfort, style, equipment, design, materials or workmanship, which have won such widespread preference and admiration.

Chrysler "70", at these new lower prices, brings to woman her ideal personal car at new thrift values which make it more than ever

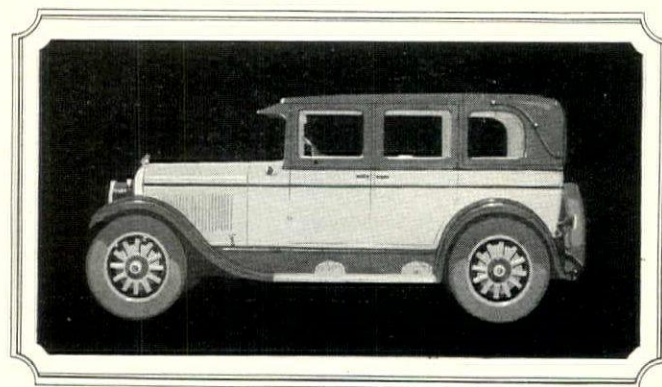
the outstanding six-cylinder car of quality. Just think of possessing Chrysler verve and dash, Chrysler richness of luxury and performance, Chrysler distinctiveness and long life at these new lower prices.

No wonder thousands upon thousands of women, as well as shrewd appreciative motorists, have banished their final hesitancy in placing orders for the famous Chrysler "70" at these new lower prices.

Priced from \$1395 to \$1895 f. o. b. Detroit. Eight body styles

CHRYSLER

"70"



Chrysler "70" Crown Sedan, \$1895 f. o. b. Detroit



HOUSE & GARDEN

Contents for AUGUST, 1926

Cover Design—By Bradley Walker Tomlin

<i>The Bulletin Board</i>	47
<i>The Mirroring Pool—Mott B. Schmidt, Architect</i>	48
<i>When Floors Are Decorative—By Pierre Dutel</i>	49
<i>The Home of J. Henry Alexandre, Glen Cove, L. I.—S. A. Clark, Architect</i>	52
<i>The Trade Routes of Antiques</i>	54
<i>Shutters as Decoration—Otto Preis, Architect</i>	55
<i>The Steadfast Sedum—By Louise Beebe Wilder</i>	56
<i>Hardy Lilies in the Garden—By Fred F. Rockwell</i>	58
<i>Evergreens from East and West—By E. H. Wilson, V. M. H.</i>	60
<i>Color Impressions of Periods—By Weymer Mills</i>	62
<i>A Little Portfolio of Good Interiors</i>	63
<i>Bathrooms in the Modern Taste</i>	66
<i>Planning for Equipment—By Ethel R. Peyser</i>	67
<i>To Lighten Laundry Labors</i>	68
<i>Convenience in Closets</i>	70
<i>A House on the Devonshire Coast—Oliver Hill, Architect</i>	72
<i>New Building Features</i>	74
<i>New England Architecture in Pennsylvania—Tilden, Register & Pepper, Architects</i>	75
<i>Building the Half-Timber House—By Richard Powers, Architect</i>	78
<i>Diversified Windows from England</i>	80
<i>Balance and Beauty</i>	82
<i>The Nature of Some Alpine Plants—By Henri Correvon</i>	84
<i>An Adjunct to the Greenhouse—Charles S. Keefe, Architect</i>	85
<i>Home Orchards as They Ought to Be—By M. G. Kains</i>	86
<i>Stations for Town Betterment—By John Allen Murphy</i>	88
<i>An Example of Distinctive Architecture—Wilson Eyre & McIlwaine, Architects</i>	90
<i>Paints and Varnishes—By Henry B. Raymore</i>	91
<i>New Household Equipment</i>	92
<i>The Gardener's Calendar</i>	94

able. There are so few occasions in the course of the normal married man's life when he can splurge with impunity. If he goes in for expensive bulbs and plants, his non-gardening wife will surely take offense. If he goes in for many and costly suits of clothes, she will accuse him—and rightly—of being vain. But let him loose in a household equipment store, and any extravagance he may commit will be readily forgiven.

These are dark and hard matters to understand, but every man has encountered them and has, after bitter experience, learned to accept them as among the mysteries of the marital life. And many a man has learned, too, that the path to forgiveness lies in the direction of a new ironing board; that all will be forgotten if he appears bearing the latest device to cut grapefruit.

Far be it from us to sow seeds of dissent, but perhaps we might venture to suggest that, now and then, in the pages of this magazine will be found things that are equally effective. In this issue there are enough new kitchen gadgets to bring a man forgiveness for a year of minor sins. In other issues are chairs, and things for the garden and new wall papers and new pottery and glass. As articles of domestic reparation they may be expensive, but, we assure you, they certainly will work.

Here, then, is a new way to consider HOUSE & GARDEN. Let the poker game last ever so late, there will always be found in HOUSE & GARDEN the appropriate and effective gift. This pearl of domestic wisdom can be picked up at the nearest newsstand for the insignificant sum of thirty-five cents.

VOLUME L

NUMBER TWO

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At the end of summer trails!

Whitman's are fresh! When you pause in your summer journeys to buy a box of Whitman's Chocolates at a luxurious resort hotel, at the leading drug store in a large city, or at the quaint tea-room beside the road at the end of the long trail through the mountains—the candy is fresh. Every possible precaution has been taken to keep it so.

During vacation days many hundreds of summer stores supply Whitman's to tourists and dwellers in resorts. But every store, however humble, is selected and approved as a Whitman agency and gets every package it sells *direct from Whitman's*.

We eliminate middlemen solely for the purpose of ensuring careful handling of our candies and satisfying service to the critical candy lover. Wherever sold, Whitman's carry a guarantee of perfection.



Whitman's

Chocolates



The Sampler satisfies at all seasons. Gives every one in a group of travelers a candy to his taste.



VARIETY is the spice of the September issue. It sparkles from many facets like a cut jewel. Though Autumn Furnishings is its major topic, it has an abundance of approaches. Garden rooms for Town Houses, Placing the Piano, appreciation of Clocks, Two City Apartments, Console Table Groupings, Provincial French furniture, and four pages showing the current prices that can be used in various styles of rooms. This is added an article on Collecting Engraved Glass.

In the garden pages will be considered Wild Hips, Hedges and Hedge Plants, Strawberries, Making a Bulb Garden, The Nature of Alpine Plants, Forcing Bulbs Indoors.

Three houses will also be shown—one in the French Farmhouse style, one in New England Colonial and a little dream of a house in the English Cottage manner. There will also start a series of photographs showing the construction of a house.

These are a few of the glittering facets of the September issue.



LAST autumn we commented on the fact that in England the collector's interest was gradually turning away from nautical matters, with which he had been concerned so long, and was turning to the horse and hunting subjects for collectible topics. In the light of this it was interesting to see, during May and June, a collection of horse portraits at the Anderson Galleries in New York. Mr. Karl Freund, with rare discrimination, had chosen every possible medium in which the horse was represented. These included bronzes, wood carvings, Persian calligraphy, woven fabrics, tin snouettes and many others. They came from a dozen different countries and represented a diversity of eras. To people interested in horses such an exhibition was a rare treat.



THAT the ancient Egyptians were not above using paint as a substitute for granite, marble and finely grained woods is apparent in a wall decoration in Thebes of about 1350 B. C. Here in an inner chamber in the tomb of Nefertotep are a series of reliefs depicting a procession of people driving in a garden through a large portal painted to resemble granite. The massive doorway of the house at the far end of the panel is also of painted granite.

In addition to simulating marble, paint was used as a substitute for ivory inlay on furniture and for the various ornamental woods, the process of wood graining being known in Egypt as early as 2000 B. C. Brilliant glazes were used to play the capitals of massive limestone columns in place of precious stones or colored glass, and from various fragments of flooring we learn that paint frequently took the place of colored tile inlay. Which all goes to prove that the inhabitants of ancient Thebes or Akhnaton's beautiful City of the Horizon had the same ingenious ideas for substitutes in decoration as has the modern workman when he transforms with a paint brush a cold plaster wall into a pleasing background of hellow pine.

A LOVING reader from California asks us why we don't publish an article on the beauties of black walnut furniture such as people had in the General Grant Era. She says that out there on the Coast people are collecting this furniture.

Well, we have become accustomed to most of the strange things that happen on the Coast, but this is one that leaves us unmoved. To collect heavy, over-decorated black walnut pieces strikes us as the last conceivable kind of indoor sport. A bad dream. The very depth of the worst taste this country has ever known. It were better that we forgot that period and its furniture. With all the beautiful lovely things worth collecting and available for collectors, it is inconceivable how anyone can entertain black walnut among her choicest possessions.



THE steady and healthy sale of House & Garden's Second Book of Interiors makes us realize that decorating and furnishing are always live topics. It has also reminded us that during these dog days of August, when we would prefer to be in some shady spot, we will have to slave here editing House & Garden's Second Book of Gardens. If all goes well this will be ready along about the time the new seed catalogs appear. Meantime, the pile of Interior books is melting the way ice cream melts on a hot saucer.



IF THE OAK ENDURE

If the oak endure the storm
Life dowers it with nobler form
Than suppler trees of hill and dale
That bend, and so survive the gale! . . .
Stalwart with roots that grapple deep
Where the bones of mammoths sleep—
Heaving a multitude of leaves
Where many a hidden wood-dove grieves—
Nothing can break its mighty pride
Until the stars themselves decide!

HARRY KEMP



SOME months ago we published an article on the books of house designs and architectural details that old carpenters used in this country. While most of them were of English origin, we have recently discovered two that were edited here—"The Model Architect" and "Carpenter's Guide"—both published about 1850. The editor

was Noah Knowles Davis, a Philadelphia chemist who later became an educator of note. The dates of these two books, however, were dangerously near the end of the era of good taste in this country. The classical revival, that gave us many fine houses of the Southern Colonial type, began to peter out by 1840. Then the time and interests of the people became engrossed with the political problems of the Civil War. After that taste sank down and down until it hit bottom in the General Grant regime. If the average carpenter of today had taken from him most of the current books of house designs, he might be able to build more pleasing homes. The fault lies not with the carpenter but with the publishers who perpetuate these books.



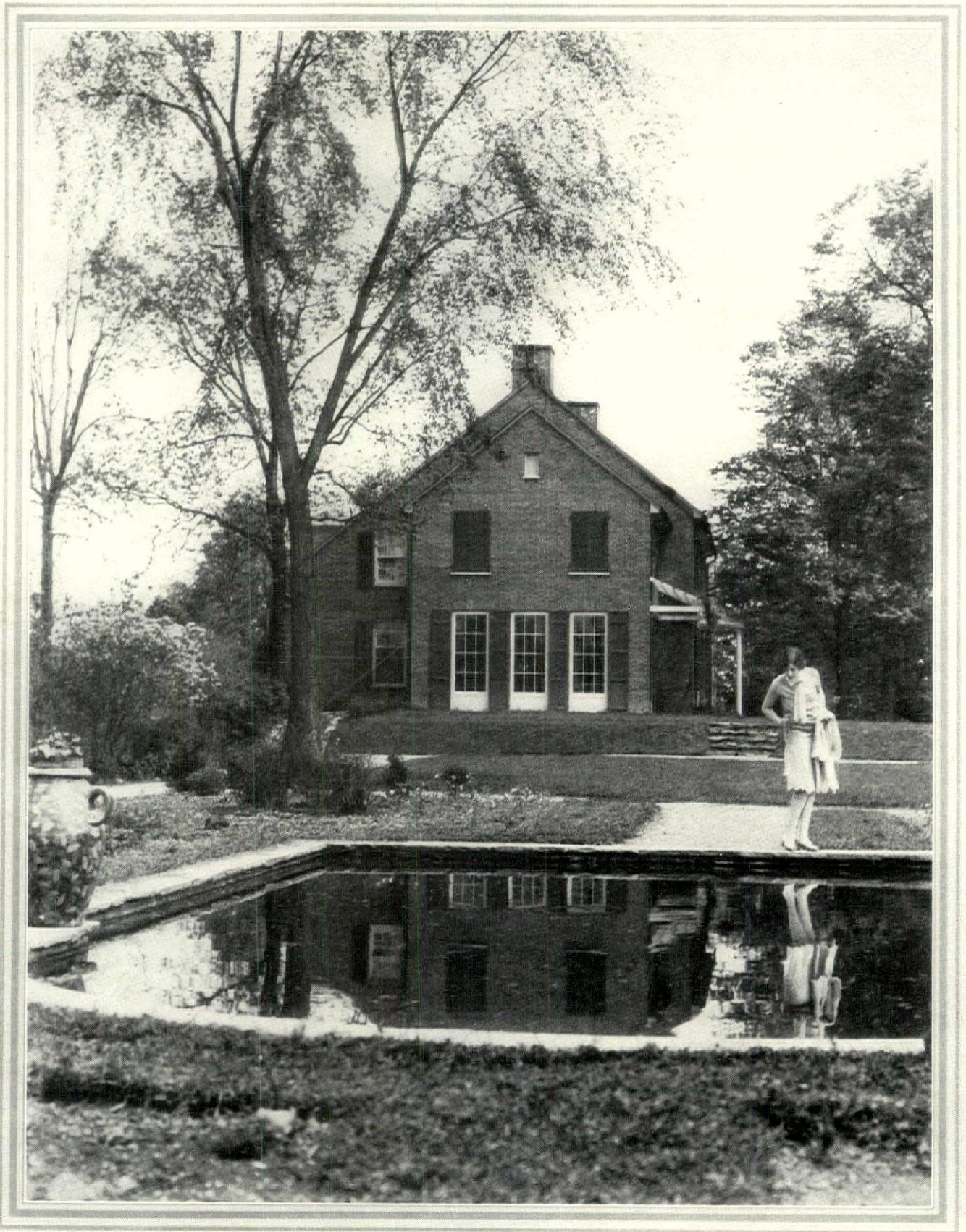
WHAT would gardeners do if they hadn't the weather to grumble about? And yet this really is an extraordinary season. Everything three weeks behind schedule. Oriental Poppies that flashed and flamed for years on Memorial Day didn't show their floppy red heads until the middle of June. Peonies were positively reticent about unfolding. The Iris came along on the local train. Tulips lasted till June 10th. And as for the annuals—really the annuals have been pitiful. We used to think that such simple things as Zinnias and Calendulas just took care of themselves, but this season even they are miffy. They don't grow. Their leaves are stunted. They look as though they had all gone on a strike. Perhaps we should have chosen this year to go abroad.



OLD DOC LEMMON SAYS—"Travelin' 'round the country like I done fer fifty year an' more, doctorin' sick hosses an' hawgs an' neat cattle, a man gits to noticin' consid'able things whut ain't got hoof ner hide ner tushes—least-ways, he does unless his eyes are shut plumb tight. He has time to think 'bout 'em, too, fer a hoss doctor's patients may be ten mile apart over hill roads whut ain't really fitten to be druv over only by a buckboard with dern good wheels.

"They're queer, some o' them things I seen an' studied over while Jem, my old strawb'ry roan gelding (seventeen hand high, he stood, an' a livin' fool fer trottin') was leggin' it f'um one case to the next. The thickenin' haze thet makes up so slow before a big snow, fer instance, er the wind waves rollin' over a stand o' ripe Rye, er the scarlet fire of a single Swamp Maple branch in the middle o' late summer's dusty green. But of 'em all, I dunno but whut the things I liked as good as any was the leetle flowers o' dif'rent kinds thet was playin' hooky f'um home.

"Somechow, I allus sort o' git warmed up by the sperit o' them old yellor Roses an' Bee Balms an' Sweet Williams whut snook out o' the farm gardens years ago an' went wanderin' away along the roadside. I'll bet they crawled under the fence ruther than clim over, so they wouldn't be noticed, an' kep' lookin' back to see if anybuddy was follerin'. Kind o' like mischeevous kids, they seem to me—an' like thet sort, they allus manage to git along no matter whut happens."



Roberts

THE MIRRORING POOL

The pool is the vanity box of the garden. In its mirroring surfaces Nature can contemplate itself, and those who wish, contemplate themselves, Narcissus-like, in its cool depths. Such a pool is on the country place of John L. Wilkie, at New Windsor, N. Y. Mott B. Schmidt, architect



WHEN FLOORS ARE DECORATIVE

Consider the Ornamental Possibilities of Linoleum, Cork and Cement when Planning the Foundation of the Room

PIERRE DUTEL

AS the floor is the foundation of the room and occasionally the keynote of the entire decorative scheme it should be planned with as much thought and care as is given the selection of the furniture, wall coverings and upholstery fabrics. Thanks to an ever-increasing appreciation of design as well as a growing realization of the importance of pattern in this section of the room, the floor is now selected for its ornamental features quite as much as for its utilitarian qualities.

There are many kinds of floors to consider when building, among them being parquetry, tiling, stone, composition, linoleum and the old-fashioned deck flooring.

The word parquetry means mosaic woodwork, some of the earliest examples being found in Italy. In the 16th Century we hear of flooring of this kind in France and England and later on this type drifted across the Atlantic where it was used in simplified designs in our Colonial interiors. There is an entry in the diary of John Evelyn about 1678 regarding the parquetry floors of the Duke of Norfolk's palace at Weybridge. These early floors were made from small pieces of polished wood of different grain and color, fitted together and laid in sections to form a geometric pattern.

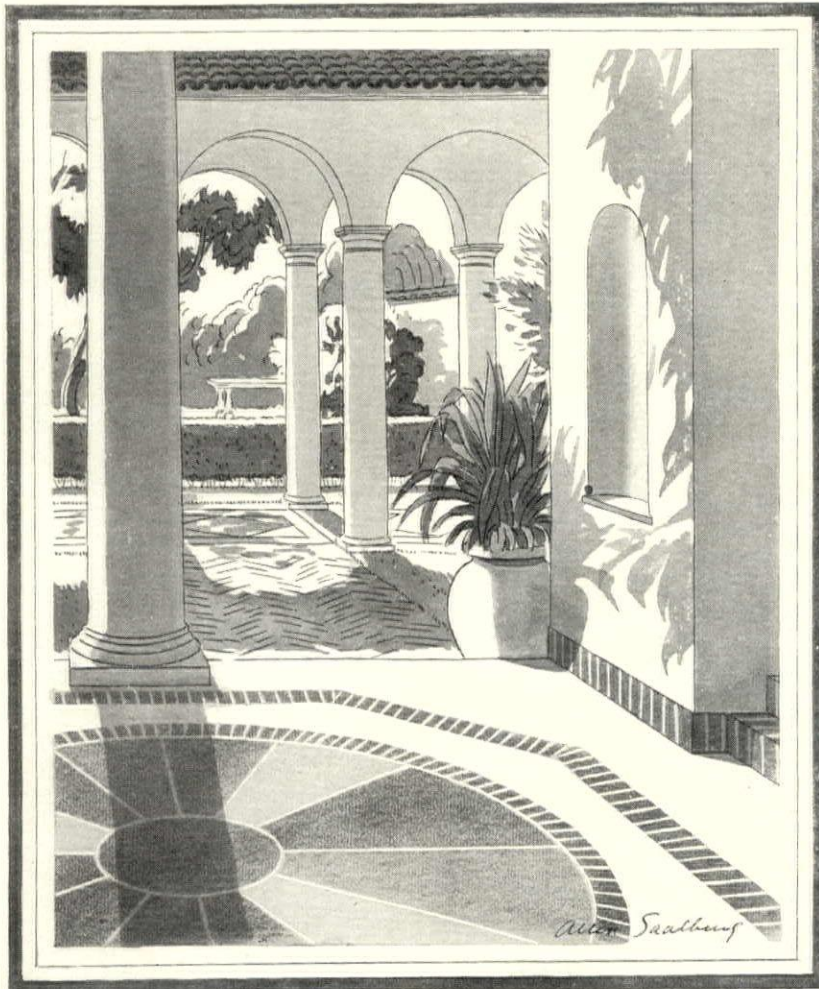
A parquetry floor today is much less expensive and easier to lay than the com-

plicated and elaborate flooring of the 17th Century. The small sections of wood are made to fit one into the other by means of grooves and ribs on the outside. After they have been fitted together they are nailed in place with blind nails and then the top surface of the floor is planed down to give a smooth finish. As this leaves the pores of the wood open a filler or stain becomes necessary, according to the directions of the architect. A good filler is pure walnut

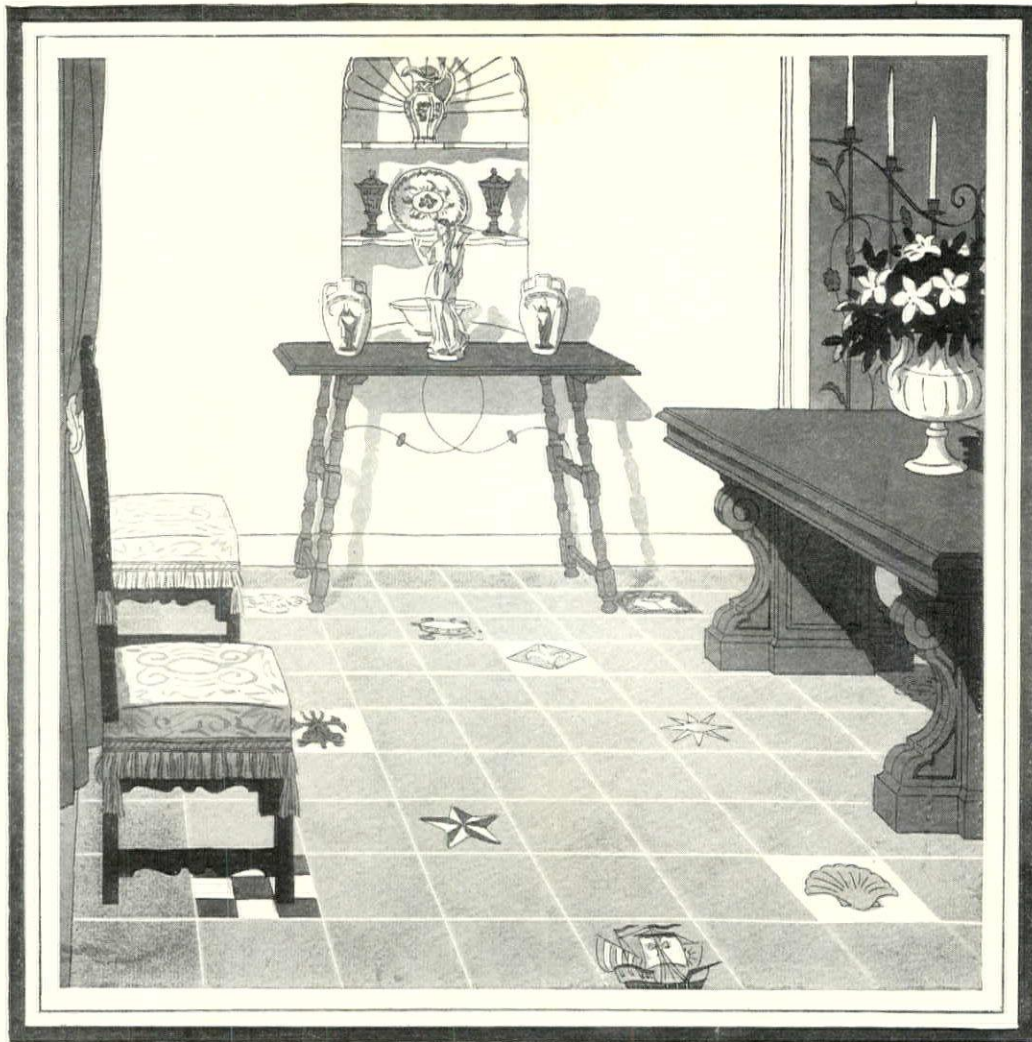
stain diluted with a little turpentine and oil. The floor should then be finished with a coat of wax. This has to be repeated several times in order to achieve the desired mellow effect.

A cork floor is noiseless, quiet and durable. For this reason it is an ideal material for use in hospital and nursery interiors. It has considerable resiliency and is therefore a practical flooring for kitchens and places where one has to stand a great deal. A cork floor may be left in its natural state or finished with a stain and then waxed. An interesting cork floor for an interior done in the Spanish manner might have inserted at intervals—cut-out designs in linoleum or tile of some gay, colorful pattern such as a crest, ship or star. These motifs must be in scale with the room and, if desired, the floor may be finished with a colored border.

Many delightful effects are possible with linoleum. In my shop I have at the back of one room a raised step that is covered with linoleum finished with an inset sun-burst design of contrasting color. This is copied from a French pattern found often in marble

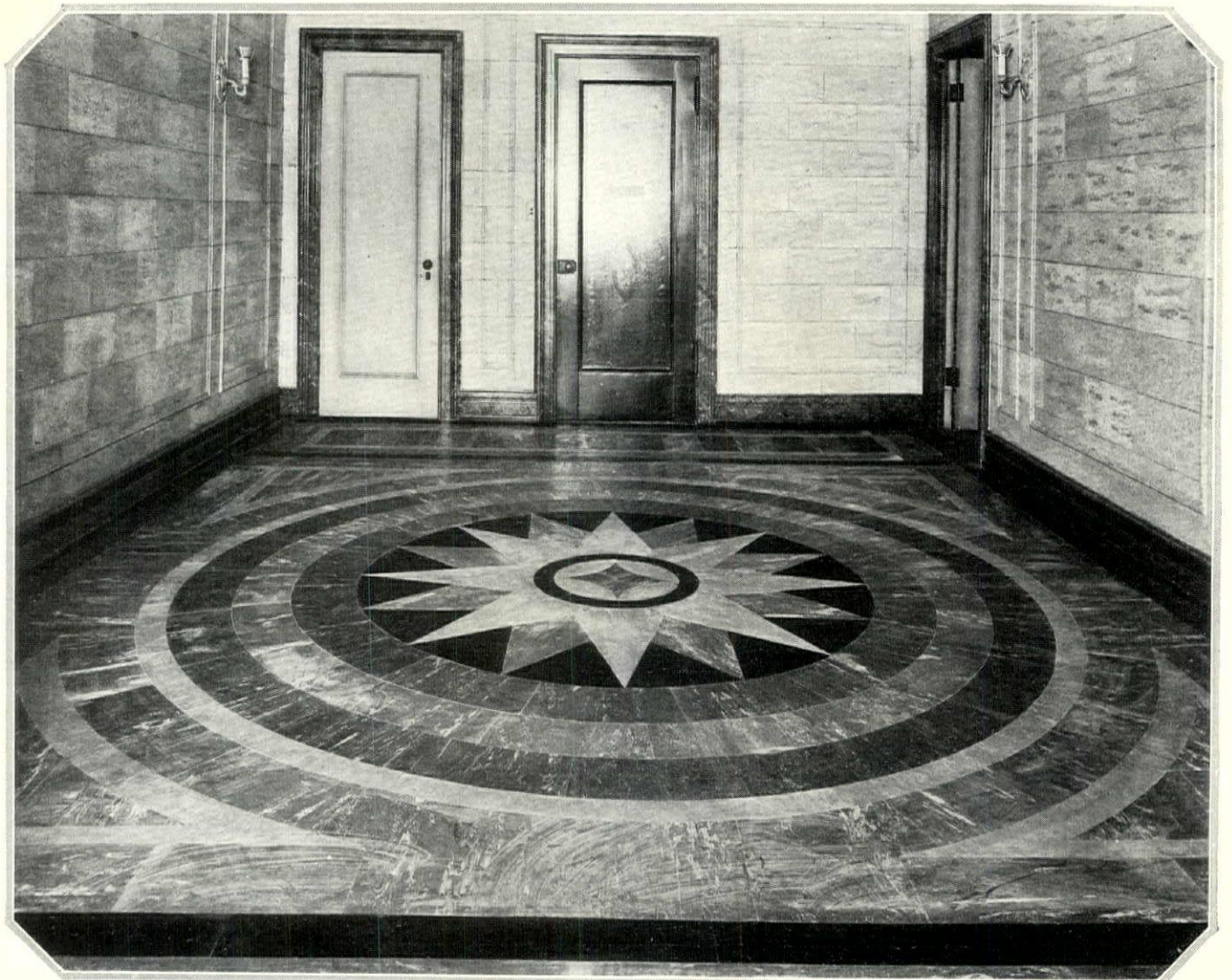


An interesting floor for a loggia is made of cement ornamented with a center motif in contrasting colors. This is done with waterproof paint and outlined with brick inlay. Another narrow band of brick completes the design.



(Right) A cork floor laid in eight-inch blocks and decorated at random with inserts of colored linoleum tile in designs of ships, dolphins, shells, etc. A type of flooring suitable for an Italian or Spanish house

Below is an imitation marble mosaic floor of inlaid marbled linoleum in a decorative star design bordered by alternating dark and light bands. It makes an effective flooring when used for a large hall



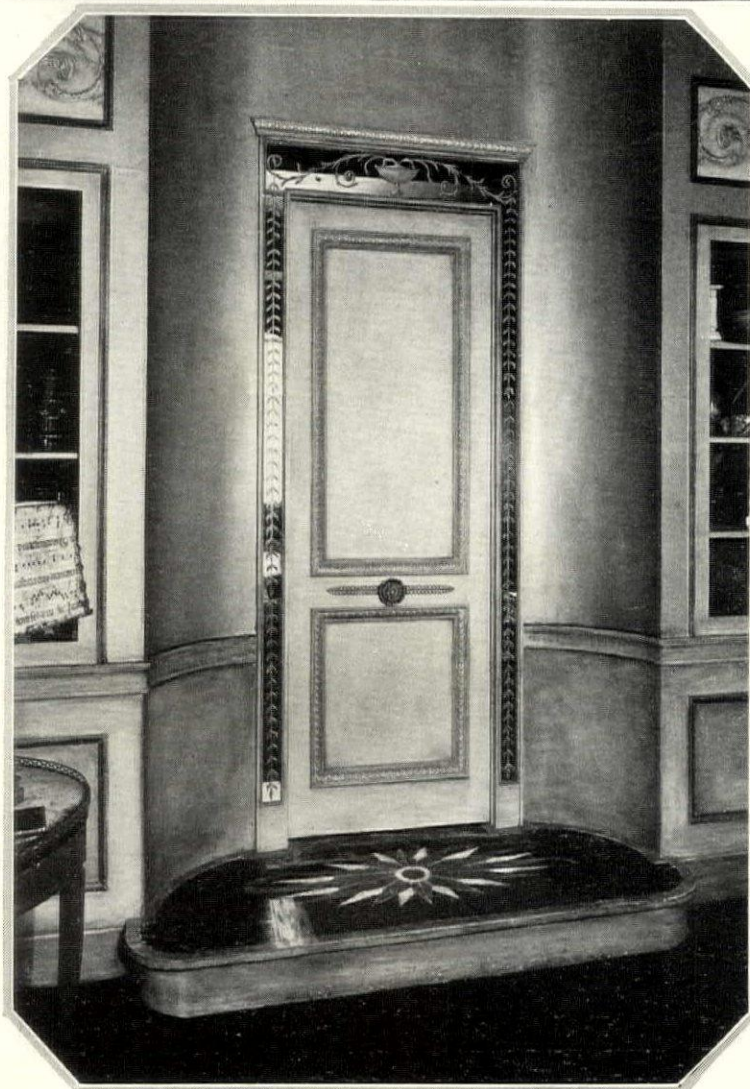


The step shown in the photograph below is covered with black and white marbled linoleum ornamented with an inset sun-burst design in alternating green and gold points. The narrow border is also in gold.

an early American use a floor of the type shown at the right might be used. This pattern, a copy of the flooring used on the decks of ships, consists of wide and narrow boards laid at random.

mosaics. The material is a rubber composition which comes in different colors resembling marble. In this case the field is marbled black and white with the points of the sun-burst alternating in gold and green. The narrow border is done in gold color.

Another interesting use of marbled linoleum is the one shown on page 50, with a decorative floor copied after a marble one in the Villa Este, in Florence. Here the walls are gold and blue-violet marble with terra cotta bands dividing off the panels. The floor has a center field of plain black bordered with bands fourteen inches wide of alternating light and deep gold color, each band edged with a narrow line of terra cotta as a further note of accent. The border has gold and white points also bordered with narrow bands of terra cotta, and the whole is kept well waxed to a high polish to simulate marble. The small elevator hall beyond is laid in blocks of black and gold marbled



linoleum decorated with small yellow and gold stars in the center.

Still another treatment with linoleum is the use of inserts of painted glass. These have to be well imbedded and the floor must be perfectly even in order to avoid cracking the glass.

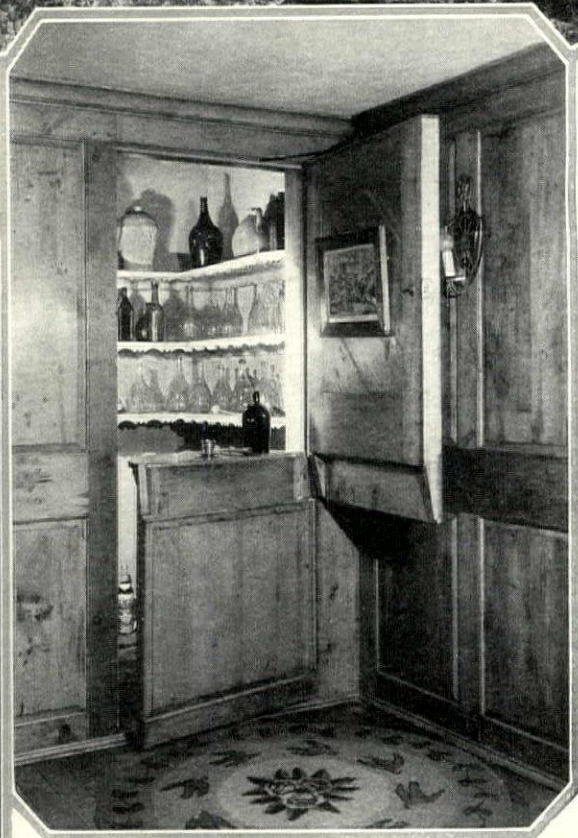
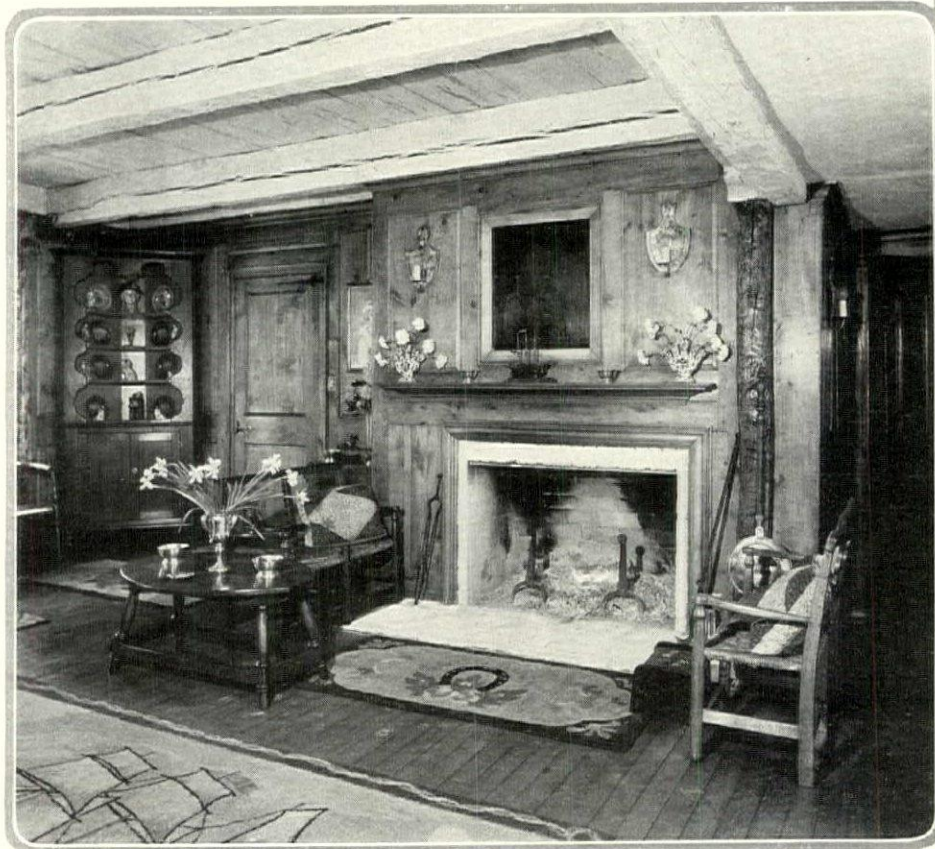
In Florida, sand and stone are often mixed together for floors. Cement and sand if mixed in the right proportions also make a beautiful flooring for a sun room or loggia. This may be lined off in blocks to resemble stone work or painted in some interesting design. In this case before the cement has become thoroughly dry select certain blocks and coat them with two or three layers of thick enamel paint, allowing each coat to dry well into the cement. Then go over the entire floor with a dark oil stain and finish with antique, rubbing it well into the floor in places to simulate the effect of wear. When complete, give a final coat of wax.

(Continued on page 96)



Harting

Typical of the Long Island farmhouse style are the long low lines of the roof. The middle part is the original house, to which wings were added on each side.
S. A. Clark, architect



The living room ceiling and walls are characteristic of the period and architecture of the house—whitewashed open beams above and old Pine paneling on the walls. In one corner is the tap closet containing Mr. Alexandre's collection of old bottles. Jane Teller was the decorator



THE HOME OF J. HENRY ALEXANDRE, GLEN COVE, L. I.



Flowered cretonne and sheer glass curtains, pewter side fixtures, an old corner cupboard filled with antique pottery and glass and hooked rugs rich in color are some of the authentic notes in the decoration of the living room

Off the entrance hall is a lounging room in which the hobby of the family is expressed. Horse pictures and rugs with quaint riding figures mingle with cups and other reminders of the chase. The walls are a pale blue

THE TRADE ROUTES OF ANTIQUE

In the Sources and Travels of These Objects As Written

The Early History of Our Country

WHEN Americans became interested in their own antiques, they discovered two facts—that there were certain sections of the country especially rich in antiques, and certain other sections where they cropped up in an unexpected manner. New England and the Pennsylvania Dutch country both gained reputations as antique belts. On the other hand, through sections of the Appalachians and in old towns fringing great rivers were found examples of household furniture and adornment that obviously had traveled a long distance. Why was this? What trade routes did these antiques follow? How did a Philadelphia Windsor chair get from its original home to a town in Ohio? Why did the individuality of the New England and the Pennsylvania Dutch types persist?

BETWEEN 1640 and 1820 New England saw scarcely any additions to its population by immigration. The Puritan element once settled, and things going better for them in England so that they did not have to flee to America, the provinces north of New York remained static so far as blood was concerned. Large families were bred, but they were all of the same racial type. There was no appreciable infusion of foreign blood until the French Canadians and the Irish began drifting into those regions under this regime about 1820. The people of New England became a homogeneous type, with an individual viewpoint on religion and government, and even an individual accent.

Shipping, domestic manufacturing and agriculture were the main employments of the people. To find markets, the Yankee traveled either as a seaman or as an itinerant merchant. For years New England was a vast nursery which sent forth, each year, hundreds and thousands of men and women of the distinctly Yankee breed who settled the growing frontiers of the country. They took with them, when it was possible, their household possessions. Sometimes they went in coasting steamers, sometimes overland in Conestoga wagons, and by pack trains to the headwaters of the Ohio, whence they drifted down in arks and pole boats to various allotted spots in which they settled. But by no means did all of them carry their possessions along, and for the simple reason that it was physically impossible. Roads did not exist. Many of them, having the characteristic Yankee eye for making money, were peddlers en route. Not until after 1800, when the Lancaster Road from Philadelphia, via Lancaster, to Pittsburgh was finally opened, could they have carried many of their bulkier possessions to this frontier.

The Pennsylvania Dutch, on the other hand, present quite a different story. They were not travelers. An agricultural people, they stayed at home and cultivated their lands, and they resented the intrusion of foreign elements. Thus they also grew into a homogeneous group, their furniture, their architecture, their customs became of a type. They were as distinctive in their way as the Yankees were in theirs.

IN all sections of young America vast quantities of household goods were made. At first all the work was done in the home. Then, part of the work might be done at home and finished by itinerant workmen or at local factories. Later manufacturing passed completely out of the home and went into the factory. By the Civil War, New England had finished changing from an agricultural section to a manufacturing area. Philadelphia,

due to its polyglot population, soon developed manufacturing especially in textiles did it become famous.

Distribution was necessary to the success of this manufacturing. Some of the goods were shipped by coastwise sloops to distribution centers, some went by the peddler's pack and later in his cart, and some by pack trains and wagon trains to the frontiers of Pennsylvania and New York. Thus Richard Wistar might ship glass, made in Alloway, N. J., by sloop to New England towns whence it was distributed by merchants and itinerant salesmen. The blue and white checked goods of the Connecticut Valley made on home looms, would be carried in the peddler's wagon into the back country of Pennsylvania and New York. Or the pack trains would take it from the Conestoga wagons at Lancaster, carry it over the mountains to Pittsburgh, whence it would be trans-shipped to boats that floated or were poled down the Ohio and the Mississippi to New Orleans. Early travelers to New Orleans describe the markets in that town as filled with Yankee-made goods, which are the antiques of today. The gentry of the Mississippi would wear beaver hats made in Danbury, Connecticut, and the people of Kentucky boast the porcelain that came out of Trenton.

THERE were besides, two other sources of our antiques—imported wares and those made by itinerant workmen.

Being an agricultural country, the South was not given to manufacturing. Its leaders of society and people of wealth preferred to import from England much of their necessary wares. Some of this was shipped direct to Southern ports, and some carried via New England ports. The trade was in the hands of Yankee merchants or Scotch representatives of British merchants. To Philadelphia also came vast quantities of furniture and other household goods.

The itinerant workman also added his contribution to the sum total of early American antiques from England and France, and in this we have quite a pleasant glimpse of vagabond life. When a young man finished his apprenticeship, he started traveling about in search of work. This was called "swinging the cat." He went from town to town, from one isolated farmhouse to another, doing odd jobs for his food and lodging. The journeyman carpenter made rude farmhouse furniture; the itinerant artist painted clock faces and tin trays and portraits, and signs for inns and shops; the itinerant weaver worked at the household loom and produced great yardages of woollen goods and linen.

A FASCINATING story, this tracing the trade routes of the things we consider antiques today, for its ramifications touch practically every phase of early American life. In it is written the beginnings of our industries, the gradual development of transportation, the evolution of household life from the primitive stage to the luxurious, the gradual creeping westward of our frontiers.

Today people find great sport searching out antiques. How richer would be the sport if they realized the adventure and far travels these antiques experienced, if they could visualize the great movements of people that forsook the comfort of established communities and faced the dangers and privations of the frontiers. Truly in the antiques of early America is written the history of our young nation.





Gillies

SHUTTERS AS DECORATION

Used first for protection, shutters have now become a decoration. When painted, they give spots of color to a façade; pierced with quaint devices, they lend an air of amusement. They are even made merely picturesque, as on the house of Miss Mabel Brownwell at Douglaston, N. Y. Otto Preis, architect

THE STEADFAST

S E D U M

LOUISE BEEBE WILDER

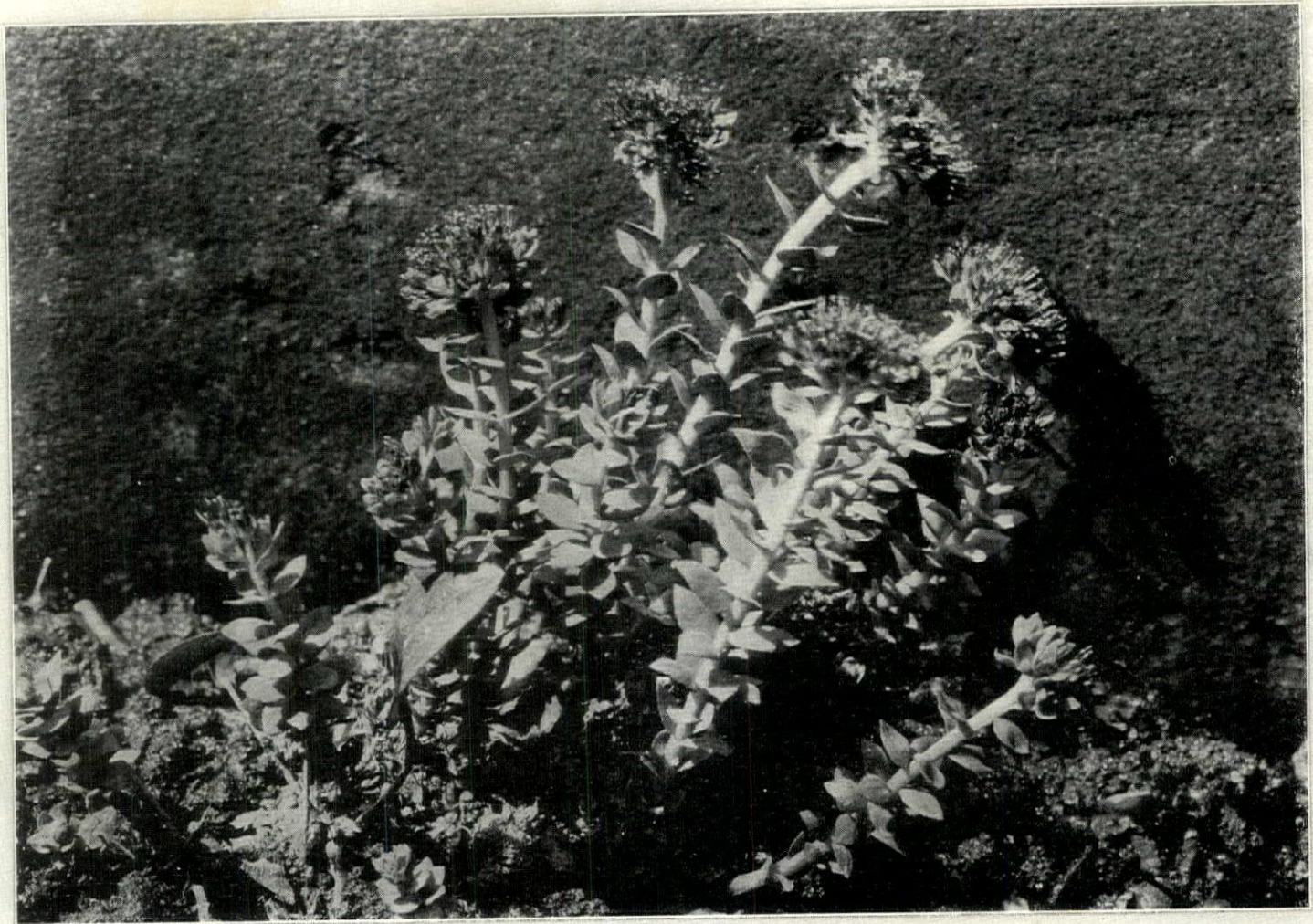


Perhaps the Houseleek might be called a bit odd and ungainly in its flowering habit, but for all that it has a certain decorative value

Sedum rodanthum is a handsome species hailing from Colorado with dark red flower heads. In winter it loses its thick, fleshy foliage

WHEN we embark upon the adventure of building and planting a rock garden we are advised by various interested spectators to grow largely of Sedums, or Stonecrops, as they are commonly called. No Stonecrop, we are given to understand, would have the heart to blast our budding enthusiasms by refusing to live; any soil will suit them, any situation, and they increase at a rate unknown to any other rock plant. Pin our faith to Sedums and avoid despair. Thus we are admonished.

But after several summers and winters have passed over our experiment and we, by honest toil and not wholly heeding the advice of those early admonishers, find ourselves clinging to the fringes of the rock gardening elect, we hear a different story: that Sedums are the refuge of the lazy rock gardener, or his confession of



FLOWER FOR EVERY ROCK GARDEN

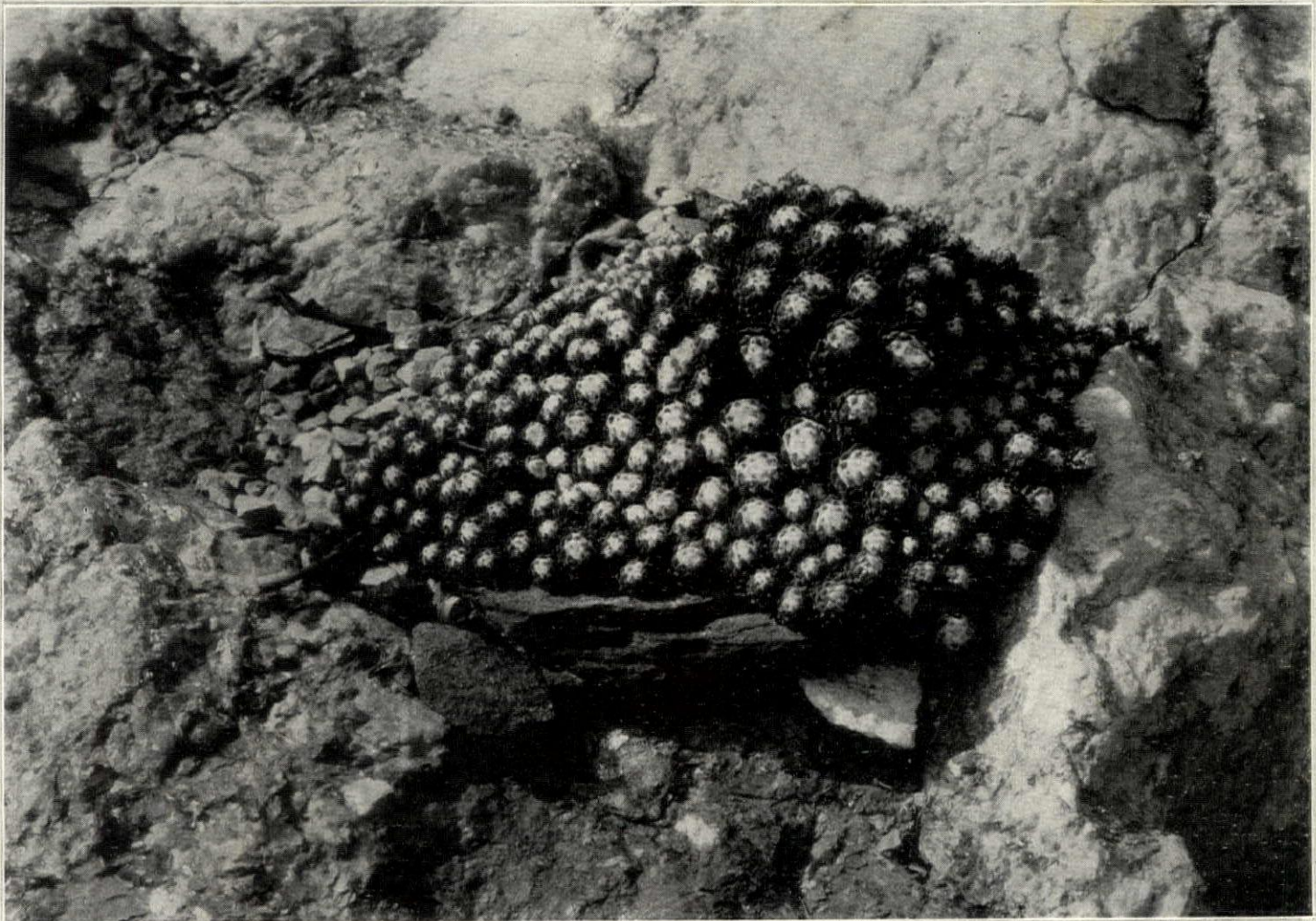
Weakness; that a rock garden largely clothed with these genial plants doubtless belongs to one too indolent to grow choicer things, or too unskilled; that Sedums are utterly commonplace and too "easy" to hold the interest of the experienced.

Doubtless some of all this is true, but as a matter of fact the genus Sedum is far too vast to be generalized about. Some, it is true, are so easy to grow that merely placing them upon the surface of the ground and turning a careless shoulder is sufficient to insure them in our midst forever, but on the other hand I have come across some with certain species and come off badly beaten. The hilarious encroachments of some we must curb with no uncertain hand, but others (a minority, it is true) we must coax and tend with care. Nor is

(Continued on page 114)

Late summer is the blossoming season for Sedum altissimum, whose flowers are a pale straw color. It likes a hot, exposed situation

The Sempervivum is a close relative of the Stonecrop or Sedum and likes rock crevices. This one is S. arachnoideum, the Cobweb Houseleek





The Madonna Lily (L. candidum) is one of the loveliest of the race—a fragrant white of pleasing form that lends itself admirably to garden compositions. It blossoms normally in late June and will succeed even in somewhat shaded places. Photos by courtesy of John Scheepers, Inc.

HARDY LILIES IN THE GARDEN

In Suitable Conditions of Culture Lies the Secret of Success

With These Delightful Flowers

F. F. ROCKWELL

WITHIN the entire range of garden plants, there are probably no flowers more universally admired than the hardy Lilies—and yet the gardens in which one finds them in great variety are comparatively few.

Why? Well, let us admit the truth at the beginning:

There are very few plants with which the amateur is more likely to meet failure at the first attempt to grow them. Nevertheless, success is not only possible; it is, with at least a very satisfactory range of varieties, quite easy, if one knows and caters to the Lily's simple requirements.

No other flowers are so striking in the

garden picture; so stately and yet so graceful; so charming in their combinations of form, color and fragrance; or less trouble to take care of year in and year out, once they have become established. Is it not, then, well worth a little study on the part of the amateur to learn the secrets—which really are not secrets at all—of their successful culture? Particularly so, as their requirements, once understood, are very easily met so far as many of the most beautiful varieties are concerned.

There is hardly a garden, no matter how small, which will not furnish suitable conditions for at least a half-dozen or more varieties; for, fortunately, the various

species succeed, in nature and under cultivation, over a remarkably wide range of conditions of soil and climate, running from full sun to quite dense shade; from extremely dry to very wet locations; in soil very acid or fairly sweet; and in heavy loam to almost pure sand. The one big secret of success with hardy Lilies is to select varieties which will be happy in the conditions which you can supply. It is for this reason that I shall devote most of this article to endeavoring to make plain how the beginner can succeed in growing Lilies rather than to the usual elaborate description of species and varieties.

The more I learn of plants—and the

God of Chance has been so considerate as to grant me experience with a great many different kinds, under many widely varied conditions—the more I become convinced that Nature is a teacher whose lessons all gardeners may always study with profit. But she never urges us to come to school, nor is she presumptuous in offering her services. Her book is there, but we must be sufficiently interested to open it ourselves; if there are sermons in stones, they are only for the sharp eye and the keen ear.

Now the Lilies, more than almost any other important class of plants we have, are, and remain, wildings—even in the captivity of the garden. There are many natural species which have been brought together for our enjoyment from many parts of the world; but there are very few "man-made" varieties. And so, in considering the Lilies, we will particularly do well to turn to the pages of Nature's old but still reliable herbal.

Still clear in memory are my own first attempts at Lily growing. In a field on our Connecticut farm which was called the Long Mowing—a name handed down through generations with the farm—the yellow field Lily (*canadense*) grew in scores along the sides of a little stream which drained the lot. But every year, just as the flowers began to open, came the mowers

with their long, lean scythes—each one following, with his wide swathe and parallel row of heel-tracks, close behind the other—and in their wake, my towering beauties, arrayed as even Solomon was not, lay prone with the plebian herdsgrass and timothy.

We wander, it may seem, somewhat afield in search of our Lily lore. But that is just where it must be looked for, as I found out in trying to tame some of the Lilies described above. I decided to transfer them to my garden, thinking that in the richer soil there they must thrive even more wonderfully than they did in the meadow. To admit the sad details of three years of disappointments, I found out that they would not grow in richly manured soil; nor in wet soil, where I tried them the second year, attempting to imitate the conditions in which I had found them, but failing to realize, until after I had lost another season, that their natural growing place, while quite moist, was well drained by the little brook flowing through it, so that the bulbs were actually above the winter

water level. And thirdly, I found that they did not like lime. The last discovery was an accident; in seeking material to improve the drainage of the bed where they were growing, I used some old plaster rubbish as far as it would go, and finished out with hard-coal cinders and coarse ashes. The difference was most marked. Since then, I have often used coal ashes as a drainage material and have always had Lilies of many varieties do excellently with them, although I have never found them recommended in any articles or books on Lily culture.

After my first experience in attempting to cultivate Lilies, I began to take particular notice, wherever I found them, of the exact conditions under which they grew. And I always discovered good drainage around the bulbs, no matter how moist the soil seemed. Sometimes it was a nearby stream or ditch; sometimes a gravel sub-soil. Also, I never found any growing in bare soil. Always there was grass, low growing shrubs or plants, or a thick layer of leaf mold covering the spot where they flourished. These facts were true of all the Lilies growing wild in my locality,—the yellow Canada or Meadow Lilies, *canadense*; the Turk's-cap (*superbum*) and the orange-red *philadelphicum*.

(Continued on page 130)

An excellent variety to follow L. regale is L. sargentiae, somewhat suggestive of the former in appearance. It is entirely hardy and, like many other Lilies, is well adapted to planting with shrubbery. Its flowering season is July, about three weeks later than regale



EVERGREENS FROM EAST AND WEST

*Among the Arborvitae and Retinisporas Are Many Excellent
Trees for Ornamental Planting*

E. H. WILSON, V. M. H.

IN the February number of HOUSE & GARDEN I dealt with the Yews and low-growing Junipers so much in demand for foundation plantings. Here I propose to write of two other groups even more widely used for similar purposes. Without reiterating statements it may be said that these suffer from the same abuses and as a rule are far too thickly planted about houses. Retinisporas and Arborvitae are cheerful, attractive evergreens of greatly diversified form and coloring and vary in height from a couple of feet to forest trees 200 feet tall. In foundation plantings these furnish not only vegetable solids but also essential reliefs. They thrive in any good garden soil but prefer a deep, cool loam, and they love pure air. In their juvenile stages the parent species are pyramidal or columnar

The Retinisporas are among the most ornamental of hardy evergreens. They come from Japan where they have been cultivated for centuries. The one shown here is C. obtusa nana, an excellent dwarf variety

masses of green but later give rise to spreading tabular branches, form a handsome trunk and a broad flattened or dome-shaped crown. In this adult stage they are splendid for wide open spaces but useless for the immediate vicinity of houses. Fortunately there are scores of varieties and forms of these plants of permanently low habit and it is these that naturally are most in demand.

Properly speaking the Arborvitae are all referable to the genus Thuja of which *T. occidentalis* of northeastern North America and *T. orientalis* of the Orient are the oldest cultivated and the most prolific in forms. The Retinisporas belong to the genus Chamaecyparis, native to North America, Japan and Formosa. The two Japanese species (*C. obtusa* and *C. pisifera*) with the western North American *C. lawsoniana* are by far the most protean. As a matter of fact it is to these five species that the names Arborvitae and Retinispora, in common usage, apply, but these names are loosely used, are more or less inter-

changeable and are applied rather indiscriminately to juvenile forms of all five. As a rule, however, nurserymen reserve the name Retinispora for the two Japanese trees, that of Arborvitae for the two Thujas and call the other Lawson's Cypress.

It is the extraordinary variability of these trees when raised from seeds that has given them such a large place in nurserymen's lists and in gardens generally. Many of these varieties retain their peculiar characters for a great many years and some permanently so. They are easily propagated from cuttings or by grafting and their forms are legion. There is indeed plenty to choose from, but the names are sadly confused and intending purchasers are strongly advised to visit nurseries and

(Continued on page 100)

For fifty years one can count upon the beauty of Chamaecyparis obtusa, though the tree may lose some of its beauty of form at a greater age. Under favorable conditions it may reach a height of 150 feet





China can show some of the most picturesque evergreens in the world. Here in a garden in Peking is an Oriental *Arborvitae* 600 years old—a species which, unfortunately, is not quite hardy in Massachusetts

The Giant *Arborvitae* (*T. plicata*) is the noblest member of its race. In the Columbia River Valley it reaches a height of 200 feet with a trunk free of branches for the first hundred. In youth it is columnar

Columbia is an excellent American *Arborvitae* variety. It is a strong-growing tree with broader foliage than in some of the other sorts and pleasantly variegated with silver. A good tree for a cold climate



The Japanese have for long made a practice of dwarfing *Retinisporas* for garden use. One of their favorite varieties for this is *obtusa nana*, a perfect pot-grown specimen of which is shown in the photograph above



COLOR IMPRESSIONS OF PERIODS

*Each Era Seems To Have Created Its Own Distinctive and
Unforgettable Tints and Tones*

WEYMER MILLS

THE student of color as applied to interior architecture—the furnishing of a room—might have spent years trying to wrest the color secrets from ancient rooms that have become show places, but he would not dare venture on a chart of color schemes as the keynotes of past periods. That periods do look back to us in colors no one with a sense of the past and a penetrating color eye will deny. Some epochs have hall-marked, as it were, certain colors, and the chatter of generations has given them surety. Queens and women who sat on thrones of fashion seized a color, wrapped their caprices in it and trailed it through a reign. There is the tulip yellow of Mary, wife of Dutch William, found on every second untouched brocade or velvet chair covering that knew their England. The blushing rose pink of Du Barry can never be taken from her. The famous cabinet-makers, especially the British, had strong predilections for a favorite color. In the arresting vocabulary of the antique shop one still hears “Chippendale brown”, “Adam green”, “Hepplewhite blue”, and other color traditions.

Beautiful rooms we have seen and been intimate with for thrilling minutes or longer spaces of time live in our memories enmeshed in color. We may forget form, but color remains. The rooms that seem the chambers of our own pet dreams, when we meet them in real life, stay with us forever afterwards in the auras of fairyland. We all feel color in varying degrees—unless we are color blind. All color perceptions are delicate and personal experiences, lit and shadowed by what one has gleaned following Father Time. Though the past may seem a blurred tapestry, the wistful student of color can always separate some threads. As he evokes great decorative fashions, color ghosts will look over his shoulder. He may never be quite sure of them, but from the sweep of their tattered trailing garments will fall some color wisdom.

TRUTH IN COLOR

However much one's color eyes long to peer down the vistas of the past for truth, they are bound to meet with the confusions of fantasy. The color of periods is quite out of the beaten track or curriculum of modern decorative esthetes. All that we have for surety are bits of color here and there ticketed with this age or that. Sometimes a color is so much of its age that it

refuses absolutely to live peacefully with the creations of a previous or latter era. Try to cover a Louis Seize chair with silk that might have been filched from Balmoral, or a Renaissance sedia, elegant enough for a Beatrice D'Este, with stuff fresh from a German dye factory—and consider the result. Many persons gifted with imagination have brightly illumined visions of halting places in the pageant of yesterday. One sees his ideal Renaissance room—the throne room of a de Medici or della Scala in indigo velvet and silver. Another—Marie Antoinette living with her lilac, sky blue, water green, and the pink of her favorite rose and opalescent medley of the pastel shades in which Bertin dressed her. Still another, Napoleon strutting through halls of green and gold dragging his classic manias after him. The periods we study and endeavor to resurrect for our everyday lives are never skeletons in black and white. Rightly, or wrongly, we color them. Patient research and ardent pursuit often come upon truths and half truths.

THE GEORGIAN ERA

In both America and England I have always loved the Georgian era. For, to my color eyes, brown, fawn and tea color make its background. The reigns of the three Georges seem a vast piece of needlework in brown grospoint and through it skips a fine stitch of gay flowers. In old London houses there are still many paneled rooms of a strange brown that has something of yellow and gray in it. Perhaps the impress of centuries of sun and fog. Hundreds of brown chintz hangings still exist spattered with garden flowers and fabulous Oriental birds. This chintz of the brown background was a universal favorite in the Colonies and Early Republic as nine out of the ten stretches of old chintz one runs across in American antique shops today can testify. Did the rather frugal minded Georges affect the mode in color? Women in those days were fond of brown dresses—not only those who were forced to wear dipped linsey-woolsey. There is a portrait of Queen Charlotte in brown satin, a child on her knee. Sir Joshua did many of his literary friends in brown coats. There was a brown ribbed Spittlefield silk popular for mahogany chairs. Of course one knows that the entire British 18th Century was highly rouged and bedizened—at times gaudy. But to me it looks back a smiling matron in

brown. She holds, it is true, a large bouquet of sweet old-fashioned flowers. Her eyes are bright blue and her lips and cheeks cherry red, but brown is her habit, and I refuse to see her in any other color.

The Victorian era I caught glimpses of in youth and saw come into fleeting fashion just before the war is a period forever befouled for me in magenta, puce, and petunia. For languishing ringlets I see Berlin wools, for jewels mother of pearl and Bristol glass. From under the flounces stare black lacquer legs and boots. That this period of prettiness, always adding one Rose too many to its garlands, should have chosen such strong color for its everyday dress is an anomaly. Perhaps the repast of so much heaviness wanted a heady glowing port to digest it. Red with a dash of blue, all the family of purple reds—these were the first favorites of our grandmothers. Chair covers, ottomans, screens, curtains, table covers, and carpets were bespattered with it. London smiled at it a decade ago and laughingly placed it before the then fashionable black walls. Today it has vanished again. Perhaps it has gone to the box room or is hidden in the Crystal Palace. This Spring in Paris I came upon several smart antique shops full of Victorian flotsam and jetsam. This is the newest craze, I was told, and I was amused to find a whim long discarded across the Channel serenely offered as a modish titbit to the unsophisticated curio hunter—the visitor one may be sure—not the Parisienne.

WILLIAM AND MARY

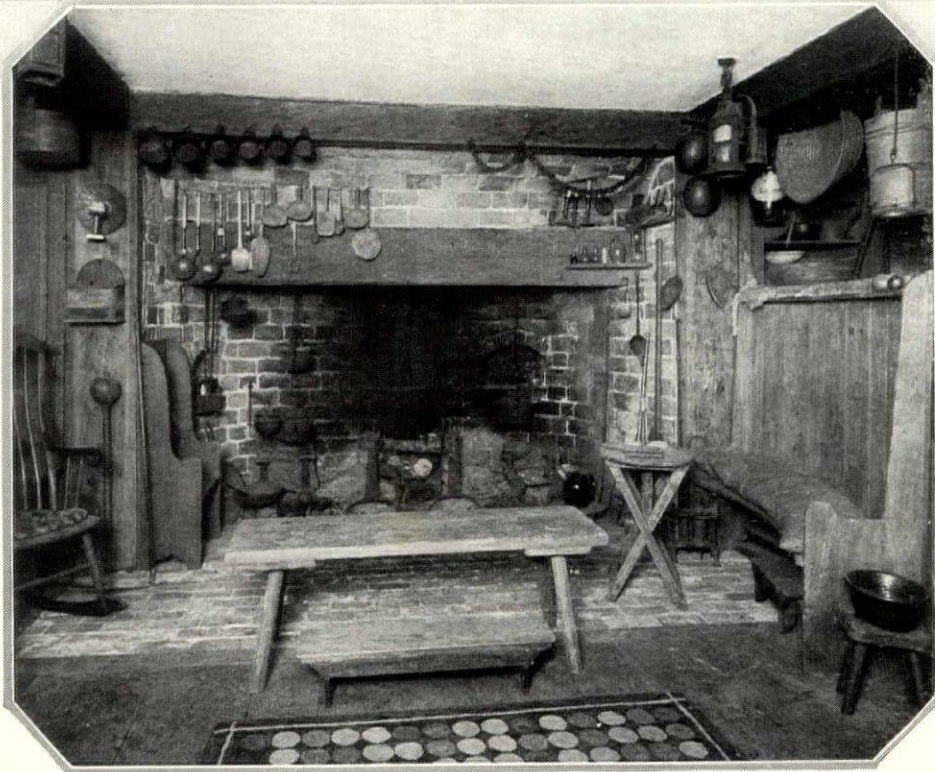
The imprisoned sunshine that seems to cling to old gilt and pools of amber velvet makes me realize the William and Mary period in a golden shimmer. Before me lies a piece of yellow velvet bearing Silent William's royal British cypher but made in Holland. The Tudor colors of Wolsey's days, the heavy richness of Holbein, never exists for me at Hampton Court. I see only the yellow of Tulips, for William's Mary must have refurnished it with many yellows. Yellow was also a fashion in Anne's reign judging by the quantities of Queen Anne needlework with a yellow ground now extant. At the French court they called the favorite golden color “aurore”. It danced gaily through new Versailles and old Fontainebleau. Where the Sun King went it followed him.

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A LITTLE PORTFOLIO OF GOOD INTERIORS

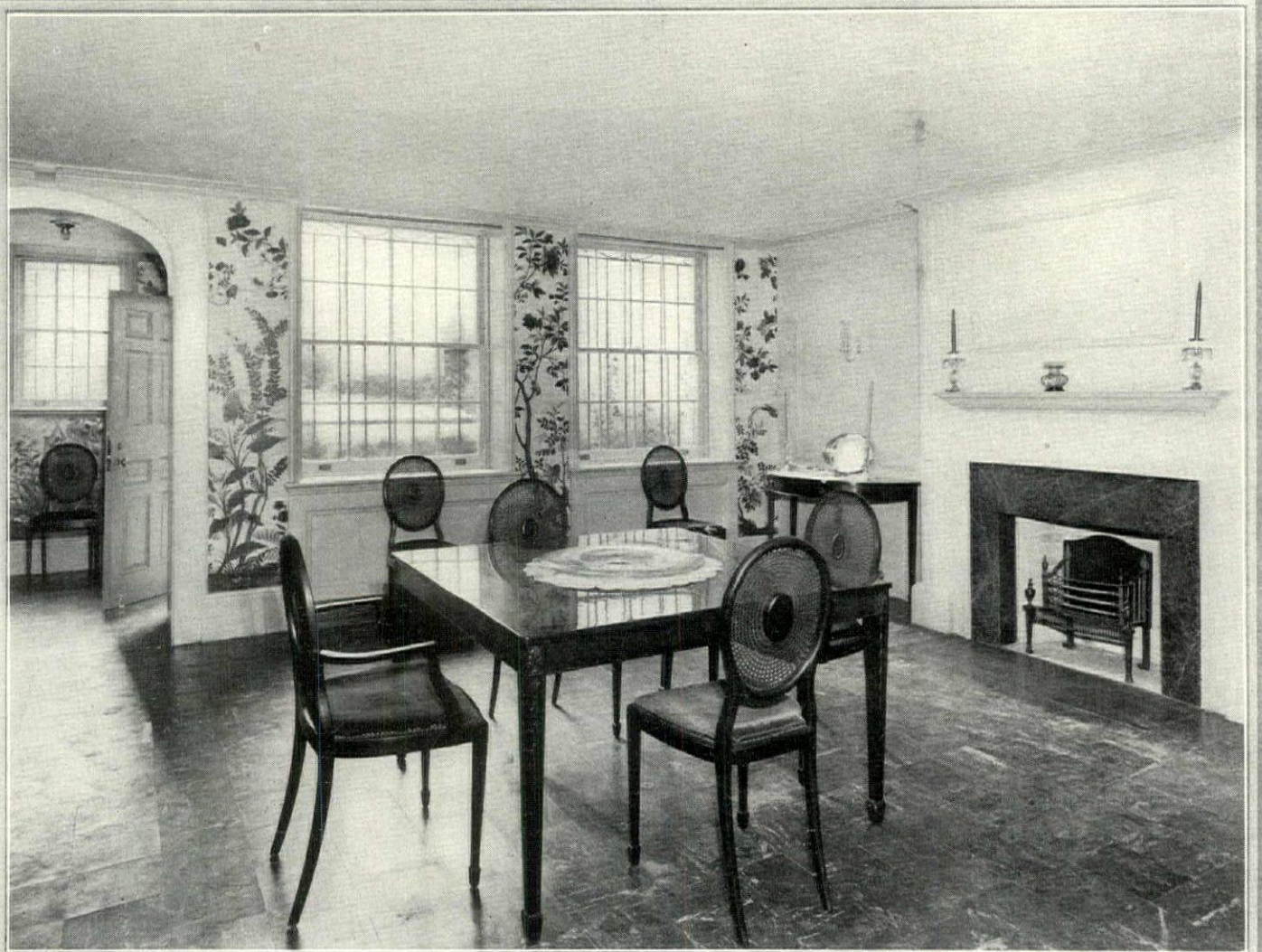


Duryea



The kitchen at Beauport, the residence of Henry D. Sleeper in Gloucester, Mass., is paneled in old red Pine and furnished with an assortment of unusually fine early American furniture and accessories. The photograph above shows the breakfast alcove

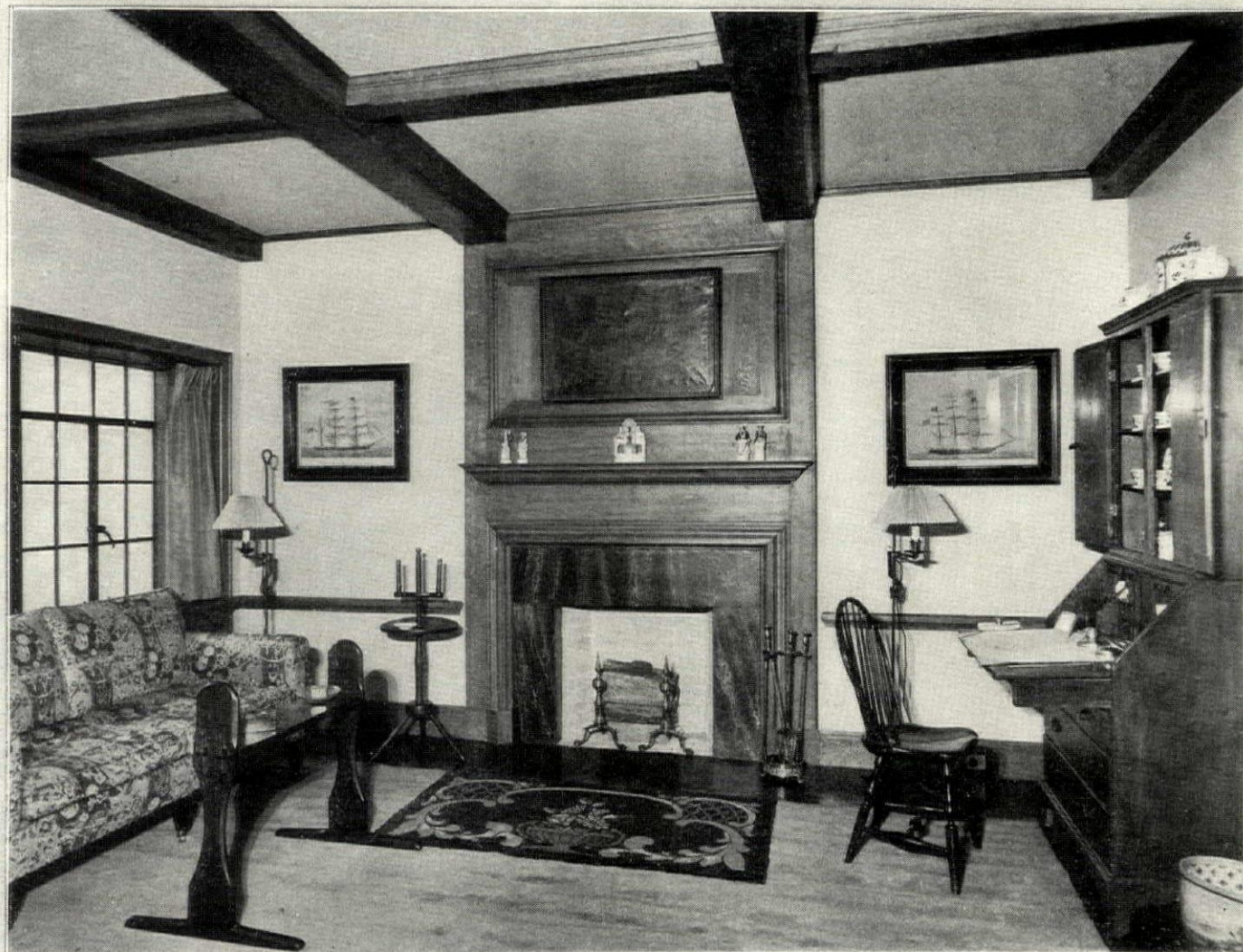
This wide, picturesque fireplace, with its collection of iron kettles and its imposing array of typical early American cooking utensils, porringers and bottles, is also in Beauport, in the Pembroke room. Mr. Sleeper is the decorator as well as owner of this house



Duryea

The photographs on these two pages are of a remodeled house in New York City, the home of Harry I. Caesar. The dining room shown above, with its cream trim and decorative panels of colorful Chinese paper which flank the windows, was originally a dark, rear kitchen. Arthur C. Holden & Associates were the architects

At the left is a corner of the library showing the high beamed ceiling and commodious built-in bookshelves. This room, at one time used as a rear upstairs dining room, has buff colored walls and Pine woodwork which has been treated with acid and stained to correspond with the early American furniture in the room



Duryea

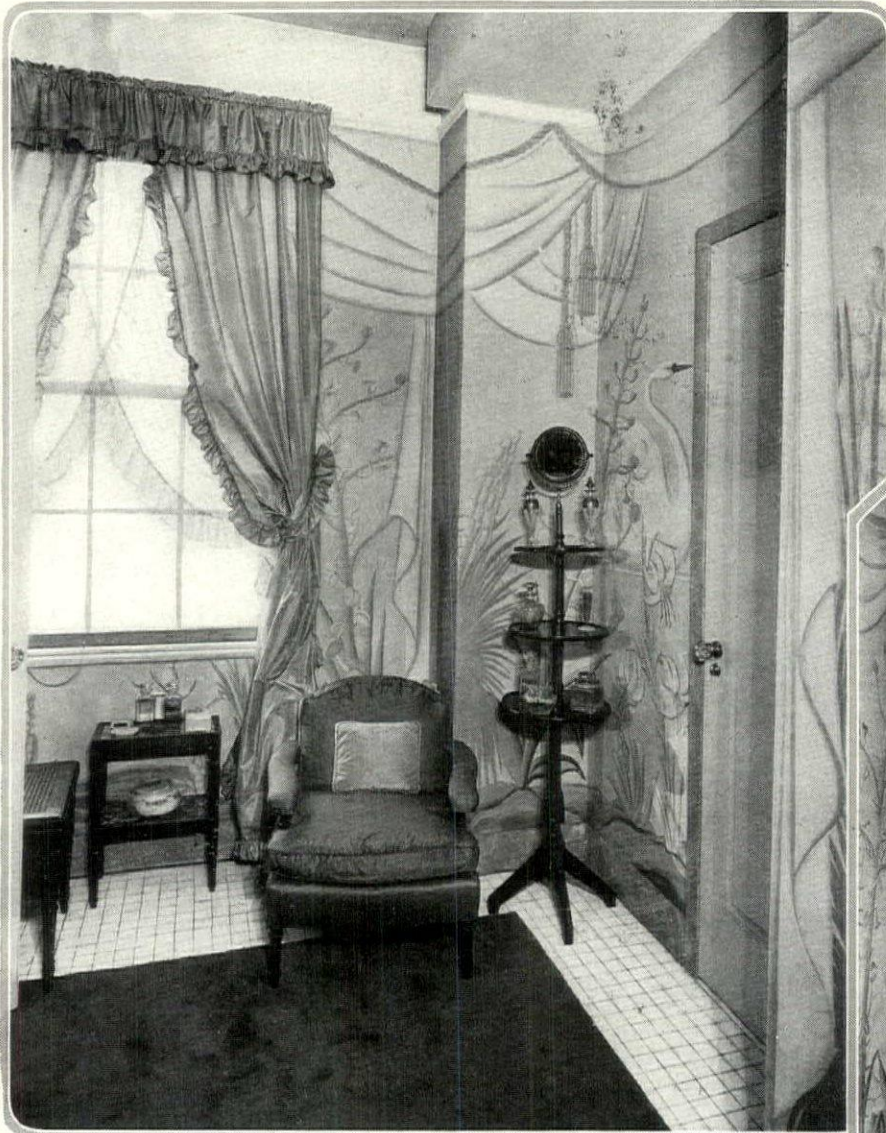
A fine paneled over-mantel and wide casement windows are features of the library which is shown above. Early American Maple furniture combines happily with a modern over-stuffed sofa covered in bright chintz. Ship prints and hooked rugs provide additional color accents. Mrs. Caesar was the decorator

The original hall, with its long, straight flight of stairs, has been transformed into an inviting interior with toile papered walls, cream wood-work and an unusually graceful curving stairway fitted with wrought iron balusters and hand rail. Through the door one catches a glimpse of an attractive living room

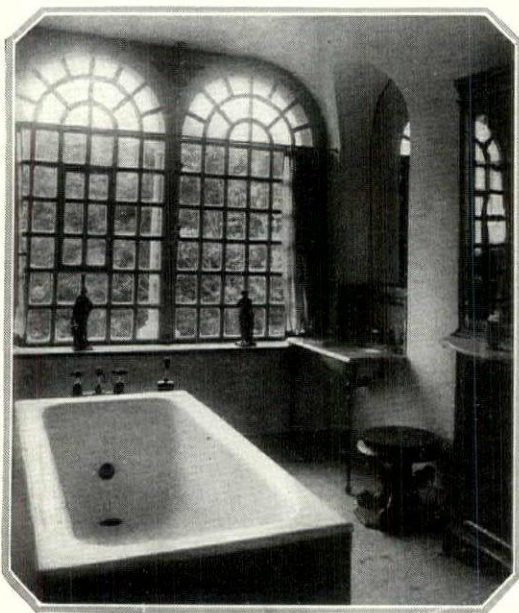


BATHROOMS IN THE MODERN TASTE

At the left and below are views of an unusually interesting bathroom in the New York residence of Mrs. John A. Vietor. The walls, in a graceful design of white swans against a background of delicate pink, mauve and green, were painted by Robert Locher. The curtains are lavender taffeta over ecru dotted net and the rug is apple green carpeting. Ruby Ross Wood was the decorator



Duryea



In the photograph above is a bathroom in an English country house notable for its use of an antique painted cupboard and carved stool in place of the customary white enameled furniture. Basil Ionides was the architect

A bathroom in the modernist taste has walls, floor and ceiling made of deep blue glass. The basins and tub are of matching glass, enriched with a veining of dull gold. It is from the Paris Exposition des Arts Decoratifs



Seaton



A well-equipped, well-lighted kitchen is vitally necessary to the successful running of a house, whether it be in town or in the country. This happens to be in the country, in the home of Quincy A. Shaw McKean, Pride's Crossing, Mass., of which J. D. Leland & Co. were the architects

PLANNING FOR EQUIPMENT

*This is the Time to Prepare the House for
The Coming Winter Season*

ETHEL R. PEYSER

WHILE summer is still here and before the cool days of Fall have begun is the time for you to consider the preparation of your house for the coming winter. There were doubtless many changes which you planned to make before another winter rolled around; much new equipment which you planned to aid in the running of the house. It would be well now to make a complete survey of your home and to note every detail which may be in need of attention.

The cellar is the logical place to begin this survey. The heating system should first be considered. Does it keep the entire house at a comfortable temperature all winter long or are there some rooms which it seems impossible to heat during real cold spells? If so, consult with someone who can point out the exact cause of the trouble and suggest its remedy. If an entire new heating plant seems necessary, be sure to look the field over carefully before deciding the particular make to install. Ask

among your friends and find the type they like best. Satisfied users are a product's best advertisement. But be sure that a new system is really necessary before you contract for it. The defects in your present furnace may merely lie in some faulty adjustment or in some minor detail which may be quite easily rectified.

Perhaps the house is difficult to heat because it is not well insulated. If so, find out where insulation is necessary and consult your architect for the best correction. In many cases doors and windows are not properly constructed and have cracks and crevices through which drafts enter. If this is the case some variety of weather-stripping should be used to make them withstand the winter's winds.

Any changes which affect the heating of the house should be commenced at once so that when the cool days of Fall come around they will find that the house is ready to withstand them.

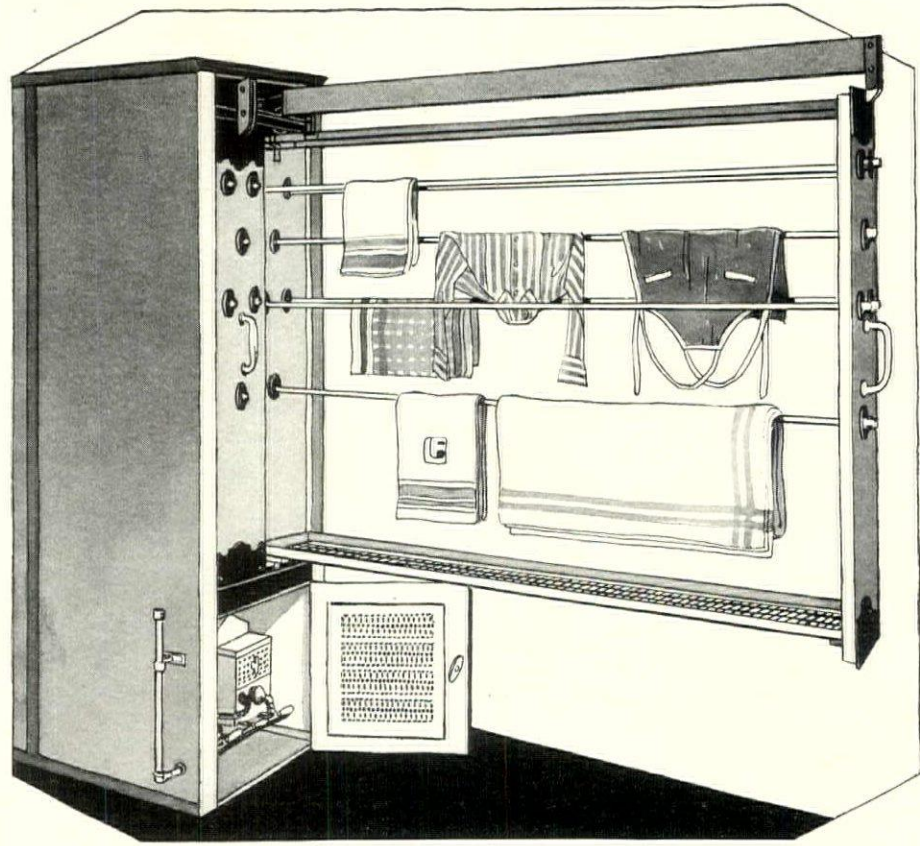
Is your hot water supply all that you

would wish? There is no excuse for being without hot water at any time in these enlightened days. There are many hot water systems now on the market, most of which are excellent and keep a constant supply of hot water on hand at all times at a minimum of cost.

Are you receiving the maximum of service from your electric installation? Are there any places in the house where additional outlets would be of convenience? Are there any dark corners or closets where new lights would be of help? Are there any places in the kitchen and laundry where outlets will facilitate the proper use of the equipment?

Consider whether or not the laundry is sufficiently equipped for the winter. Have you thought of the convenience of electric ironers, clothes washers and dryers? These conveniences have all been spoken of in detail in prior issues of *House & Garden* and, when rehabilitating the

(Continued on page 96)

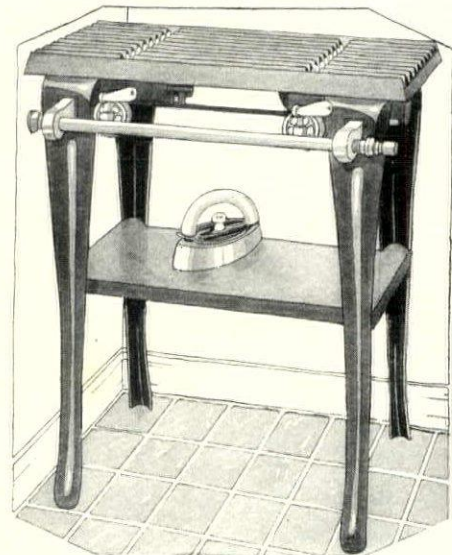


An unusually practical type of cabinet clothes dryer is shown above. It is entirely self-contained and in place of the customary floor or overhead trolleys has easy-sliding clothes drying compartments. Shown by courtesy of the Judelson Evapo-Dryer Corporation

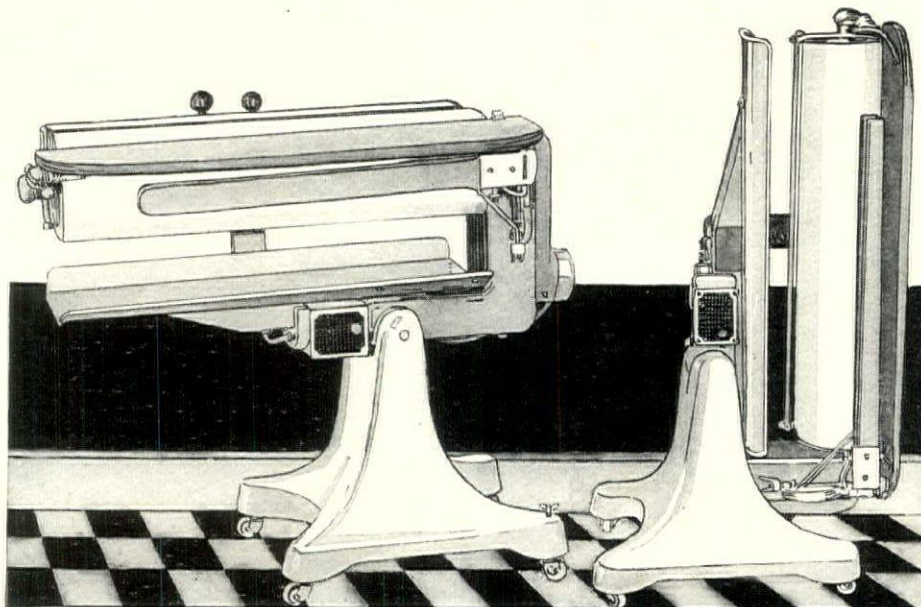


Above is an electric washing machine designed for small apartments as it takes up but fourteen square inches when not in use. In operation it stands nineteen inches high. Eden Washer Corp.

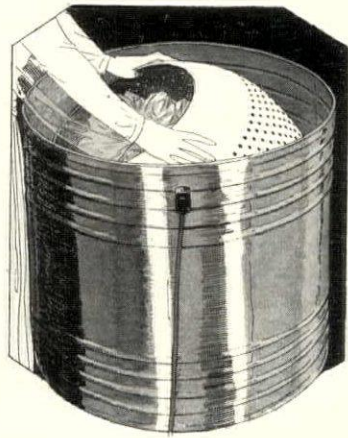
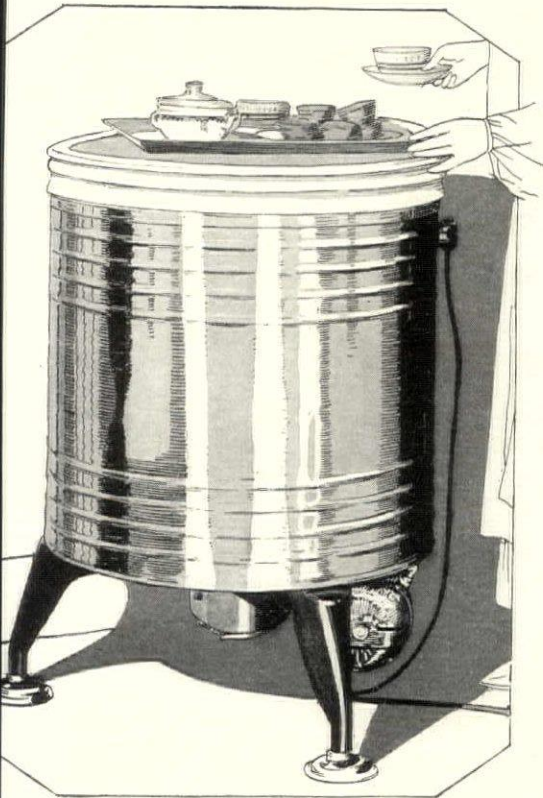
TO LIGHTEN
LAUNDRY
LABORS



When there is no electricity in the laundry a small gas stove of the type sketched immediately above is suggested. It provides a smooth all-hot top for flatirons. The Standard Gas & Equipment Company

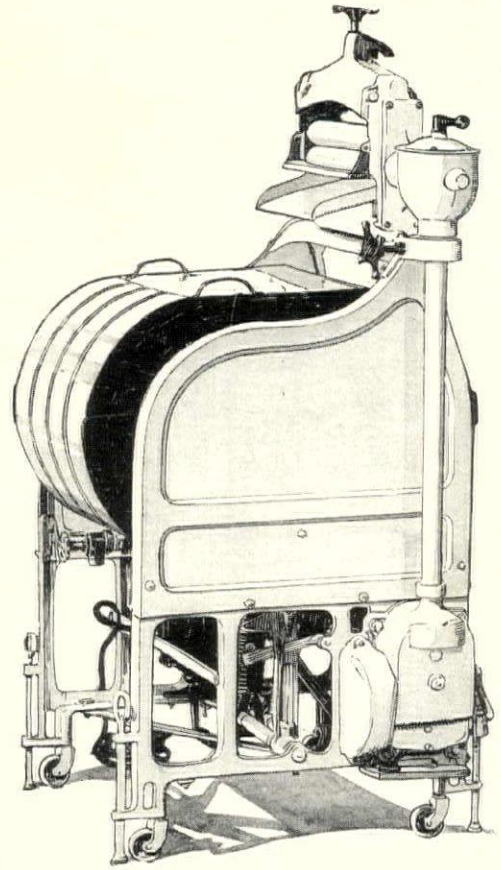


(Left) A practical electric or gas heated ironer for a small kitchen or laundry. In operation it occupies a floor space of 22 x 43 inches and when folded is about the size of a kitchen chair. Hurley Machine Co.

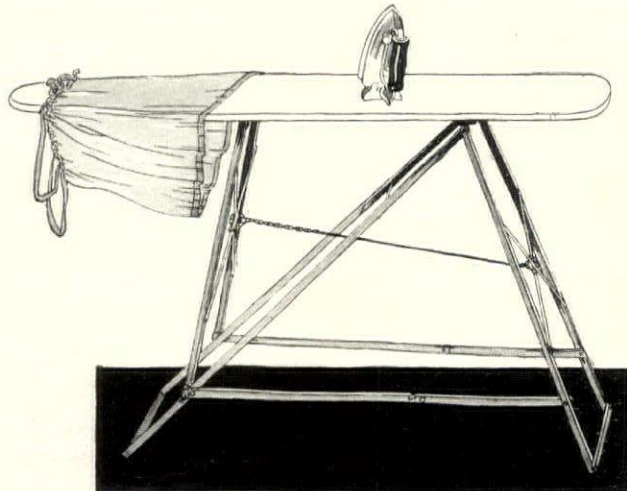


The sketch above shows the inside perforated basket compartment of the washing machine at the left. This feature spins the clothes dry. The Savage Arms Company

Above is an electric wringerless washing machine that does the work of both washing and drying. It consists of a metal drum fitted with a perforated basket spinner which revolves in one way to wash the clothes and at another angle so as to dry them



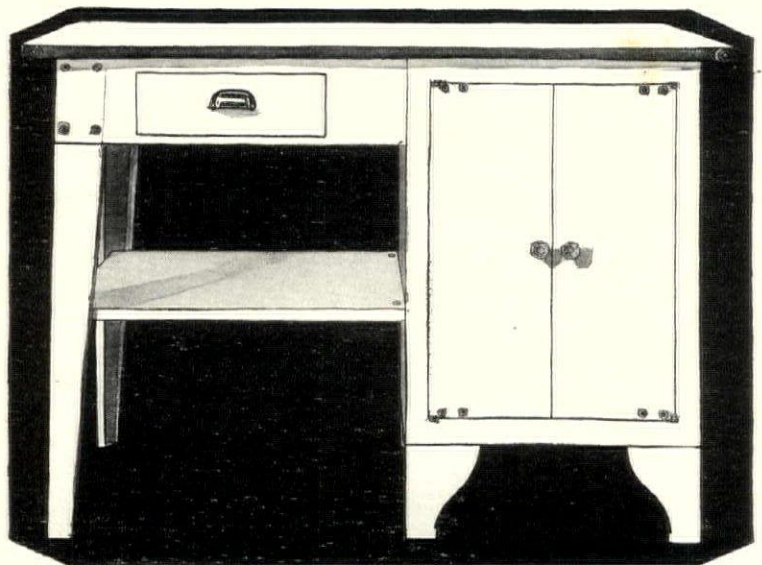
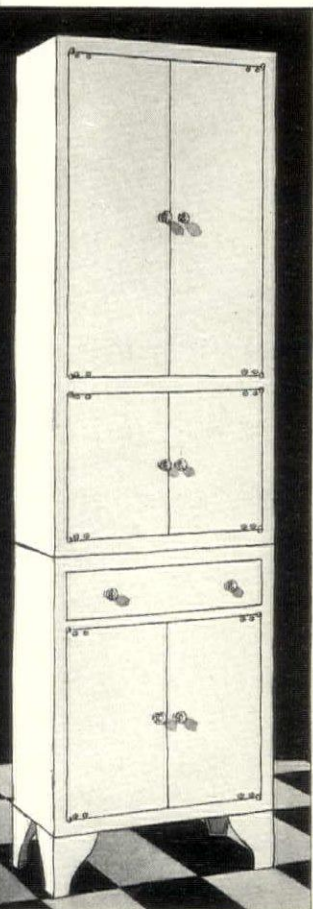
(Above) An excellent example of the oscillating type of washing machine. An important feature is the wringer at the top in which are incorporated the latest devices for safety and efficiency. By courtesy of Wallace B. Hart



A practical table for either a laundry or kitchen is shown below. It is of white enameled steel with a top measuring 26 x 48 inches. Laundry or kitchen supplies may be kept in the closet space. From Janes & Kirtland

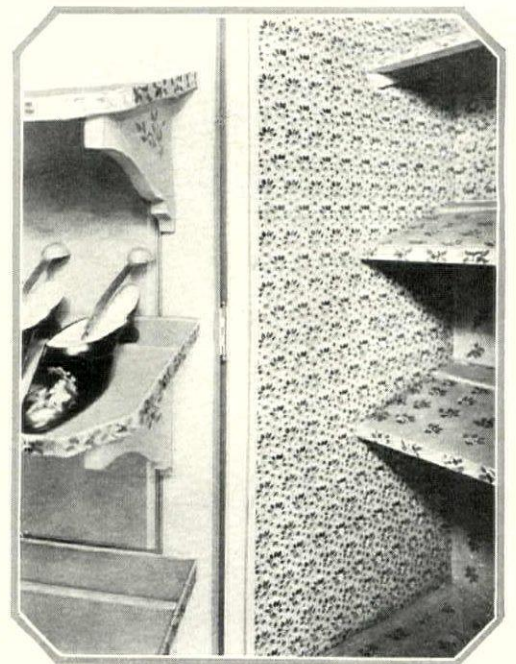
Sketched above is a practical folding ironing board for a small laundry or kitchen. It is well braced and steady in use and when closed and put away takes up very little floor space. Shown by courtesy of Lewis & Conger

(Left) In the drawer and three separate compartments of this white enameled steel cupboard may be stored such laundry necessities as starch, soap, bluing, etc. 87 inches high, 26 wide and only 12 deep. Janes & Kirtland



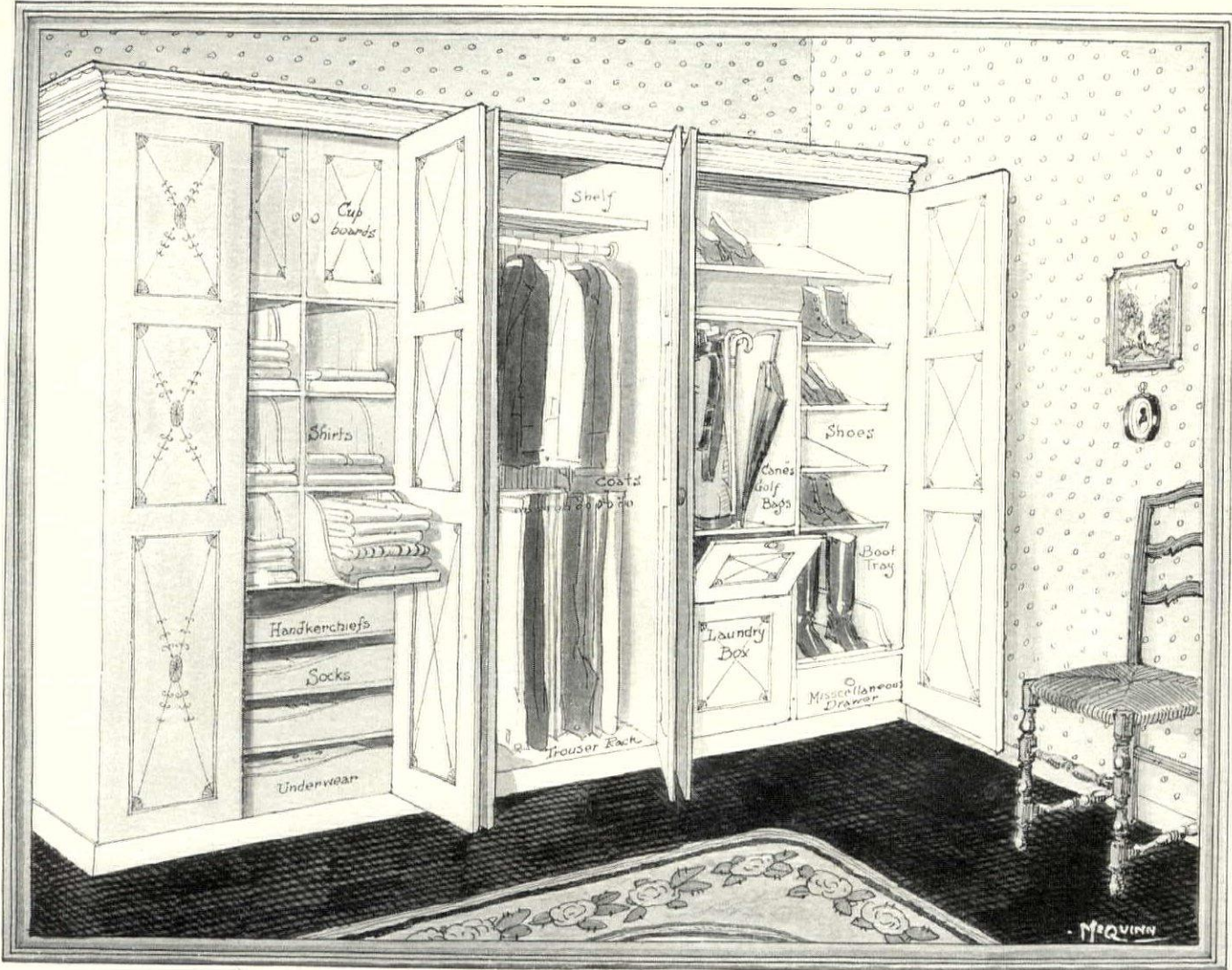


Where there is insufficient closet space, a small cupboard in a woman's bedroom might be painted to conform with the trim and fitted with drawers, shelves and compartments for hats or shoes. Furs may be stored in the space at the top



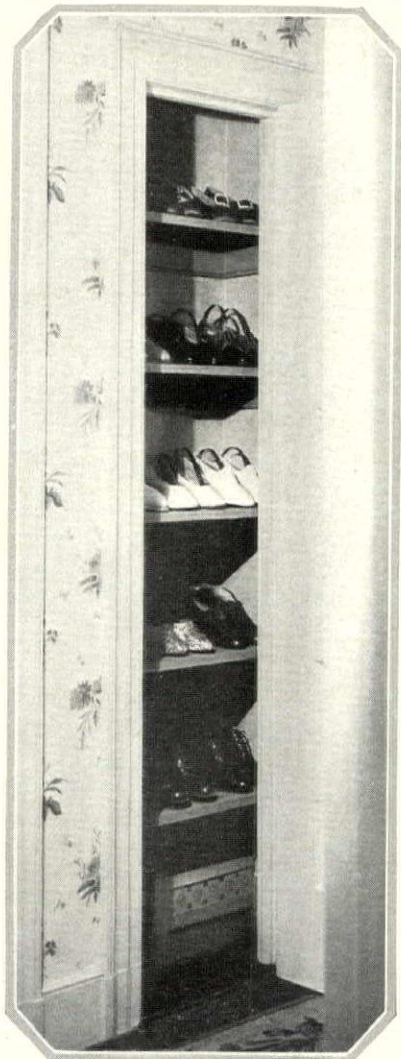
Above is a shoe closet with walls and shelves in a gay flower design. Additional shelves on the inside of the door have edges decorated in the same manner. Mrs. George Herzog, decorator

An unusually well arranged linen closet in Miss Anne Morgan's house in New York City has shelves covered in flowered glazed chintz. Below the shelves are drawers for the linen, while cupboards above provide space for the blankets. Mrs. George Herzog, decorator

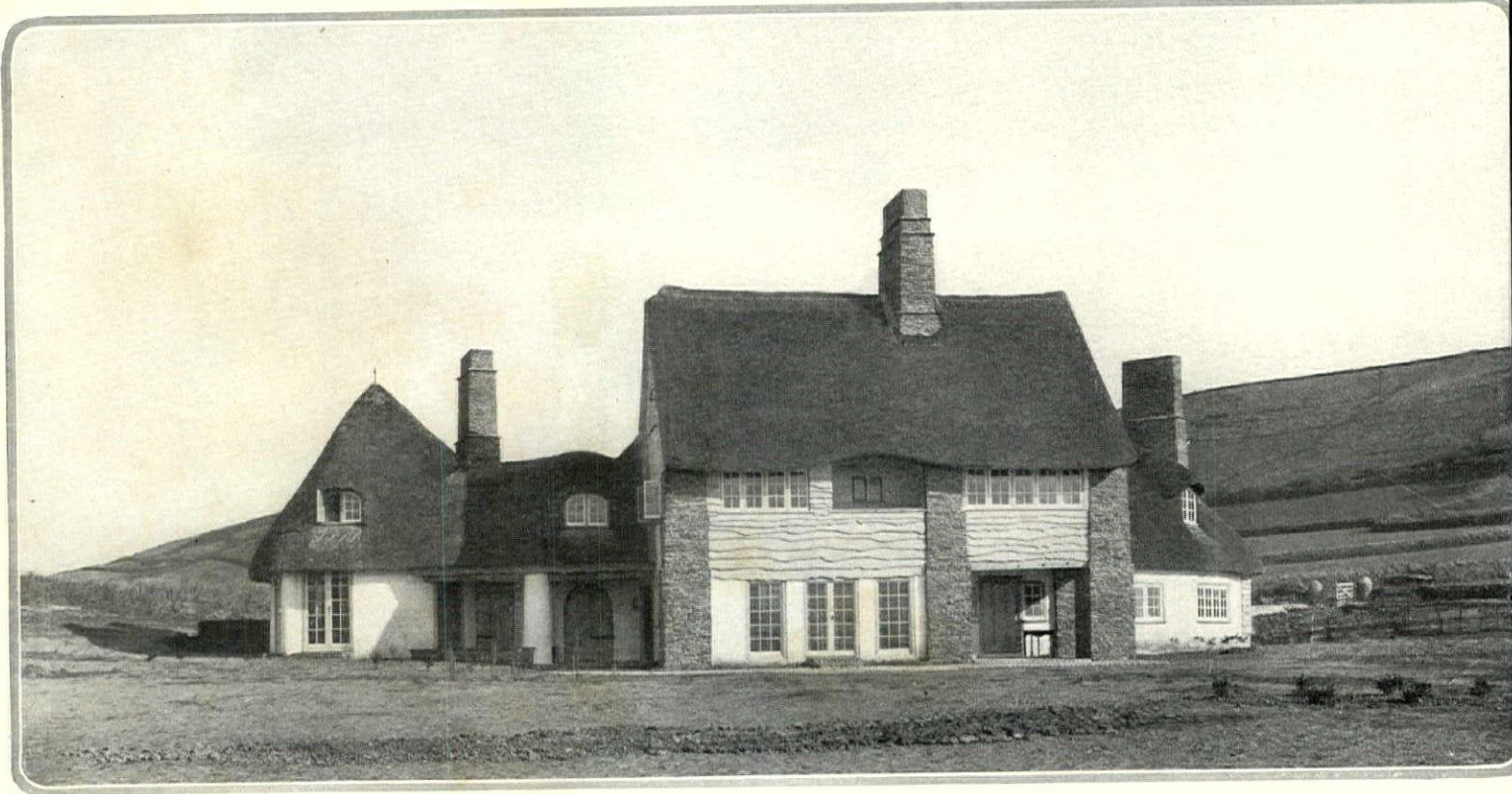


CONVENIENCE
IN
CLOSETS

The photograph at the right shows an interesting use for a small space between walls. In this tiny closet are shelves for the shoes, slippers and mules constantly in use, as well as a space below which may be used for rubbers or to store galoshes. It is in the home of Paul Hyde Bonner at Locust Valley, L. I. Jane Teller was the decorator



A practical cupboard for a man's room is sketched above. Here are drawers, sliding shelves and closet space enough for an entire wardrobe. The space behind the door at the left is divided into compartments for hats. The whole is painted the color of the trim and ornamented with painted door panels. Mrs. George Herzog, decorator

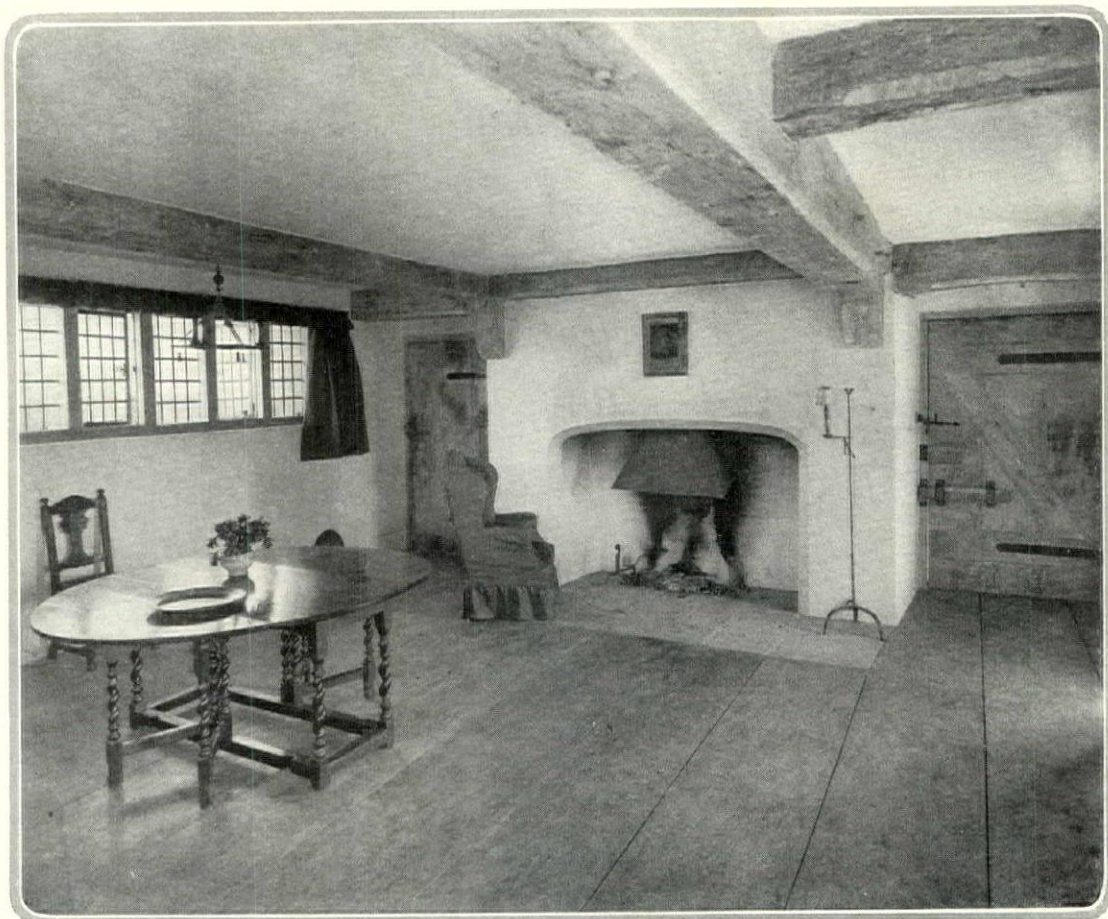


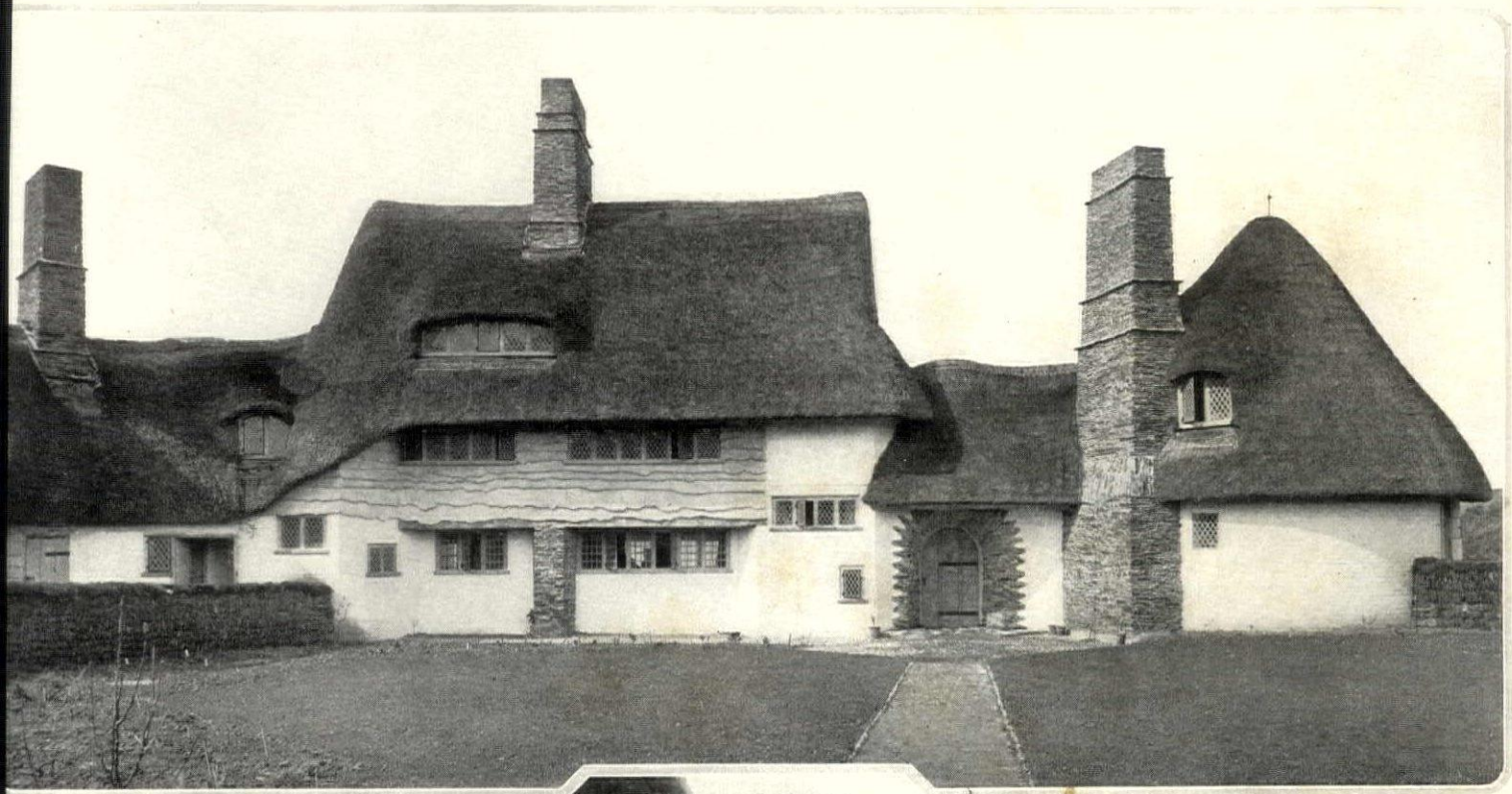
A HOUSE ON THE
DEVONSHIRE
COAST

The house, buttressed with rough stone pillars between which are wavy lines of Elm siding, presents this front to the sea. On each side are curved wings. The roof is thatched.

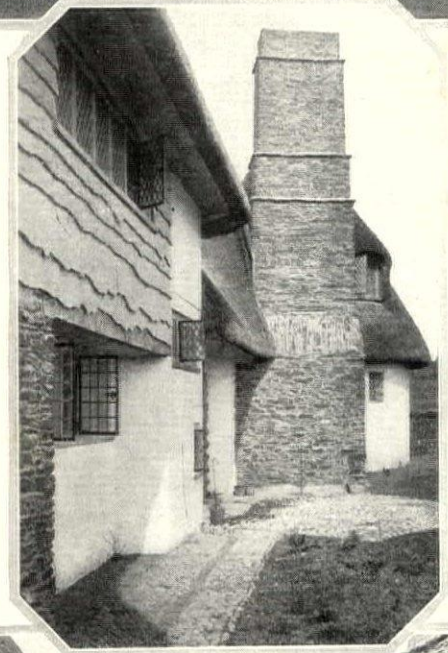
The huge ceiling timbers of the sitting room were salvaged from vessels stranded on the beach near the house. The floor is made of Elm boarding two feet wide. White plaster finishes the walls.

OLIVER HILL, *Architect*



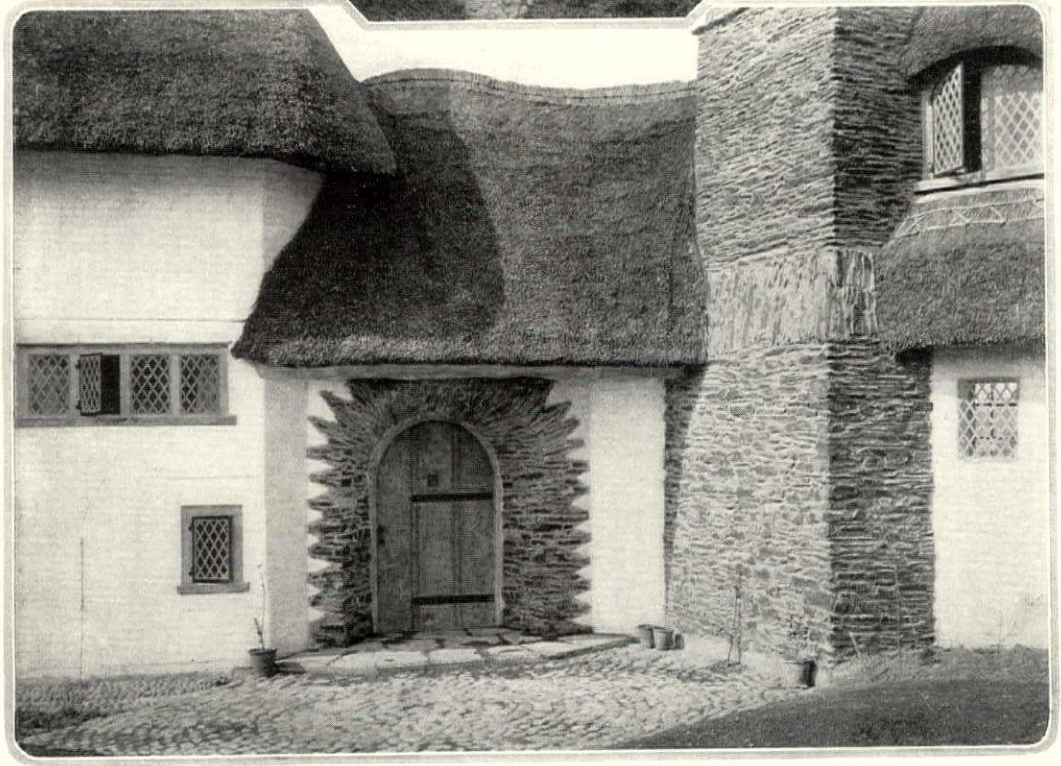


The first story is of whitewashed brick, with Elm boarding above. The chimneys are of local stone as is the facing about the door. Along this rear side runs a pavement made of pebbles from the beach



This closer view of the forecourt shows how the various elements have been combined with fascinating irregularity. The handling of the stone in the chimney is especially worth noting. Somehow, the English architect seems to handle stone more sympathetically than his American brother in the craft

(Below) About this house there is the ease of a freehand sketch. It wasn't merely designed on a drafting board in an architect's office. It grew from its site naturally, and is the product of local labor and local materials



NEW BUILDING FEATURES

*Recent Developments Which May Be of Help to
Those Who Plan to Build*

IMPROVEMENTS along building lines are constantly being tried out. New wall finishes, roofing materials and all sorts of household equipment are coming into use, but, during the past few years, the materials of which house walls have been built have remained pretty much the same.

Quite recently, however, a type of wall construction has been presented which radically differs both in material and in structure from anything used heretofore. This wall is built up of bricks which are about the size of hollow tile bricks. Each brick is made of fireproof fibre shavings compressed into a dense mass and has large circular holes through it. The wall is constructed so that these holes center over each other in the different bricks. After the wall has been built up, heavy wire reinforcing rods are dropped through the holes and then concrete is poured in. A series of reinforced concrete columns is thus created inside the wall, making it rigid.

This type of wall is claimed, by its originators, to have many advantages, among which are its insulating qualities and a rough exterior surface which is well adapted to stucco surfacing.

AWATERPROOF paint which is especially adapted for use on a stucco wall may now be obtained. Its desirability is due to the fact that the action of water has no effect on it. In fact, as it is a cold water paint, water only makes the color more fast. This paint may be used to give the wall the original color or it may be used on the stucco to restore the original color after discoloration from weathering or from rust stains.

It is purchased in a powder form and may be obtained in sixteen different colors and white. Four pounds of the powder will make, when mixed in the proper proportions with water, one gallon of paint. This will cover an average of one hundred square feet of wall surface. The manufacturers recommend that the paint be applied with some type of spray, although an ordinary whitewash brush may be used. After a wall has been painted it may be washed at any time with ordinary soap and water or with ammonia, to clean it of dirt, and the color will remain.

Although this type of paint was produced

for use on stucco exteriors, it may also be applied to interior walls where color tinting in the Spanish and Italian styles is desired. It cannot, however, be applied over wood boarding or on any surface which has first been painted with an oil paint. Another suggested use for this paint is for outdoor or indoor swimming pools. In fact it is claimed to be excellent as a finish for any surface which must endure the constant action of water.

ANEW thought in radiator equipment has lately come forth in the form of a radiator which is entirely concealed from view in the walls of a house. These radiators are obtained in units which consist of a radiator enclosed in a steel cabinet with a cold air inlet in its base and a hot air outlet grille with damper at the top. The complete unit is thin enough to be placed in either an outside wall or any interior partition of the house. After the unit is in place and the room is plastered and decorated the only indication of its existence, other than the heat in the room, is the small grille near the ceiling and the opening in the baseboard. The cabinet which contains the radiator has sufficient space to care for all necessary piping. This type of radiator may be used for steam, vacuum or vapor radiation.

The grilles through which heat enters a room may be concealed in a number of ways or may be introduced into the paneling or other decorative treatment of a room. The manufacturers issue an attractive booklet giving suggestions for the proper placing of the heating unit and grilles in every room of a typical house.

As this type of radiator is designed to meet the demand for radiators which are entirely concealed, its cost, while it is reasonable, should not be compared with the cost of the ordinary types of radiators.

TO keep the house warm in winter and cool in summer dead air in the walls has been found to be the best insulation. It is also excellent for sound insulation. For this reason most materials on the market for insulating houses either contain spaces to hold air or seal wall spaces which will contain dead air.

One of the newer materials for this purposes has a novel but practical way for keeping air within walls, ceilings or floors.

A gypsum powder which contains a proportion of mineral yeast is sifted into the space where insulation is desired. Water is then poured over this powder. The chemical reaction is very similar to the action of yeast upon flour in the making of bread. The whole mass rises to many times its original thickness or depth and consists of myriads of small bubbles, each containing air. Each bubble is entirely separated from every other one; therefore many layers of good insulation result.

It is claimed by the manufacturers of this insulating material that by the use of a one-inch coating of it in a ceiling, heat losses will be reduced by 25%; by the use of two inches, 69%; and by the use of three inches, 77%. Ceiling insulation is one of the most important factors in house insulation, as warmed air rises to the top of a room and if the ceiling is not well insulated the air is cooled, making reheating of the room necessary.

Under ordinary conditions the mass will dry and set in from 20 to 30 minutes after water has been added to the powdered compound.

FOR people who wish distinction in their household fittings a firm has lately placed on the market a complete line of flush plates made for the standard electric outlets. These are to receive switches, push-buttons, plug receptacles, etc.

In texture this type of fitting more nearly approaches an ivory finish than any other to which it can be compared, and can be obtained not only in white but in 28 standard colors. The variety of colors in which they may be had allows the home decorator to obtain the color fittings which will most closely harmonize with the color scheme in which the room is decorated. For the white tile bathroom the plates can be of ivory white. Similarly in the other rooms they can be matched to the wall paper, the paneling, or possibly to the curtains or draperies.

The composition of which these plates are made is created from powdered milk by a special chemical process and is non-inflammable as well as being a non-conductor of electricity. Besides the 28 standard colors, they can also be obtained in 50 special shades.

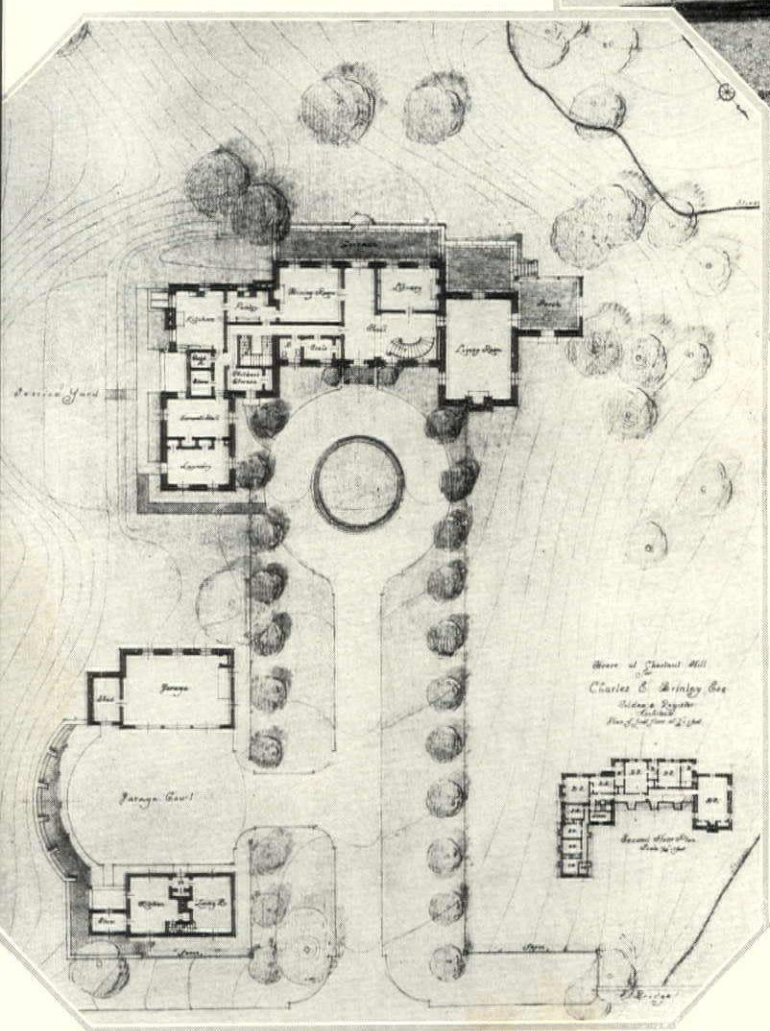




A part of the south side of the home of Charles E. Brinley at Chestnut Hill, Penn., is shown above. The exterior of the house is finished in rough stone painted with a thin mixture of white cement and lime



A three-car garage is in the foreground and the chauffeur's cottage is just across the road. The latter with its overhanging second story is a reproduction of some of the early New England Colonial types. Tilden, Register & Pepper were the architects



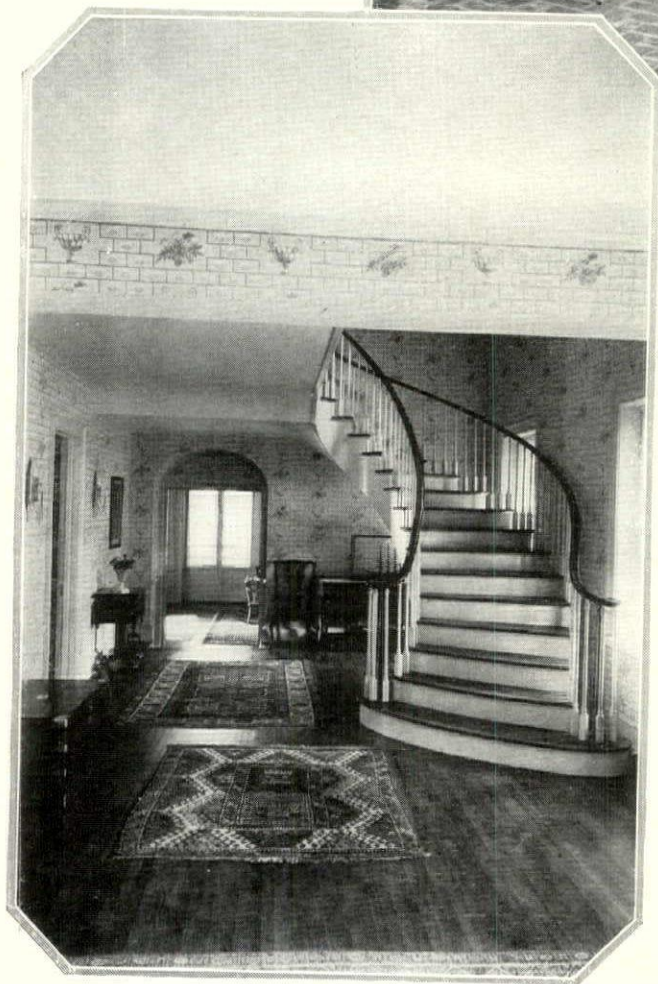
This plot plan shows the layout of the grounds and both floor plans of the house. Note the stream which cuts across one corner of the estate and may be seen from the terraces. These brick terraces are made necessary by the slope of the ground

NEW ENGLAND
ARCHITECTURE
in
PENNSYLVANIA



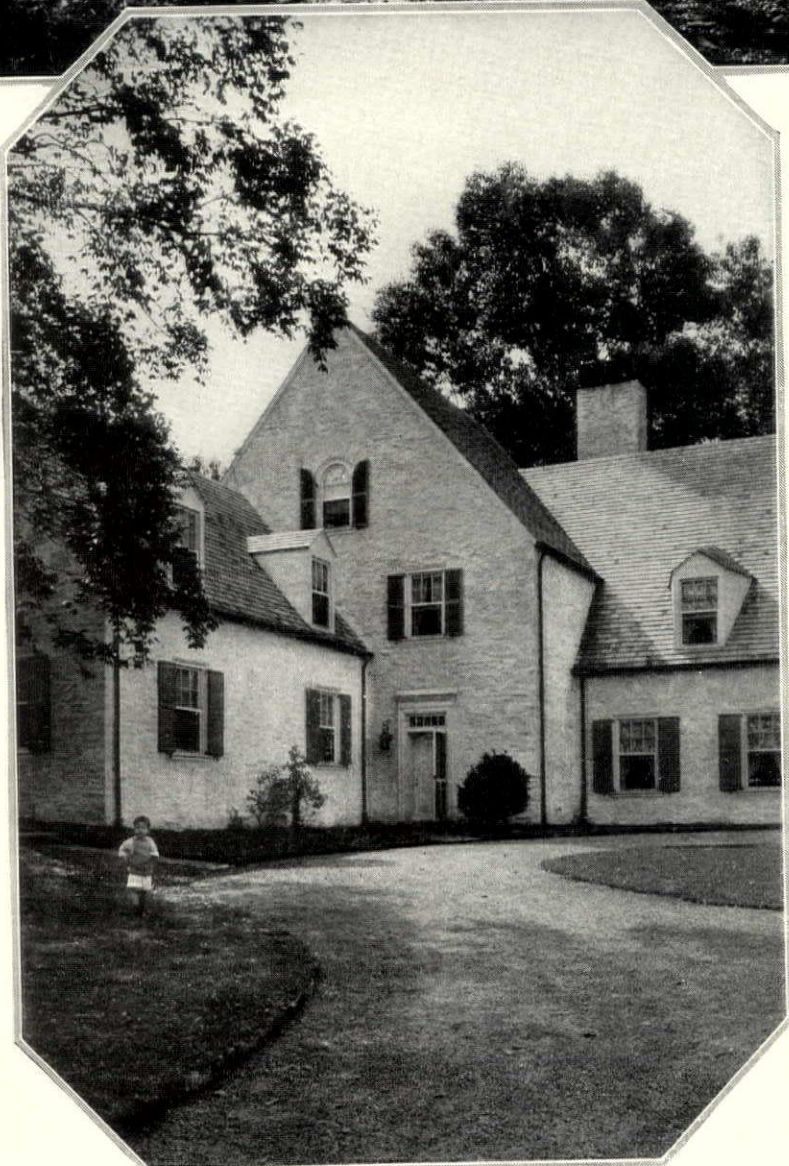
(Below) A circular stairway lends both grace and interest to the spacious entrance hall. The 18th Century wall paper gives color and an air of authenticity to it

(Below) Looking from the dining room into the hall. The dining room is papered in a Colonial design of ships. The paper in the hall is in a grape and urn design



The large airy porch shown in the photograph above overlooks the estate. A stream which cuts across the grounds may be seen below. The porch is floored with brick

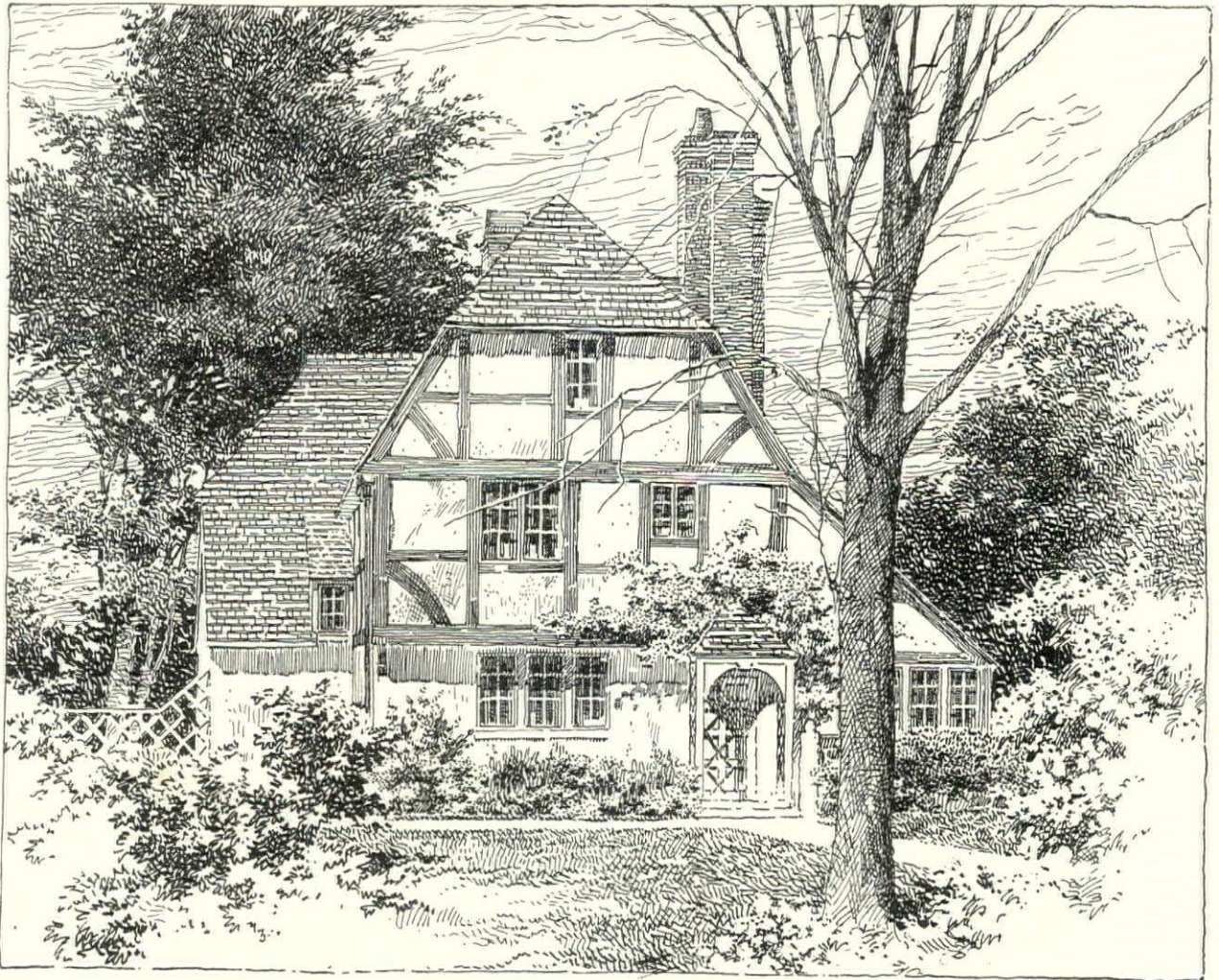




The principal façade of the house is shown above. As the grade of the land dropped 18 feet in the length of the residence, the mass was designed to compose with the general slope

A close view of the children's entrance showing the textural treatment of the exterior of the house which was designed in the manner of the Colonial farmhouses of New England

Wallace



In this house, designed by the author, the half-timbering is applied to the wall instead of being an integral part of the construction of the house. This is advisable because of our dry American climates

BUILDING THE HALF-TIMBER HOUSE

*In Most American Climates Applied Half-Timber Is More
Advisable than Half-Timber Construction*

RICHARD POWERS

ENGLISH architects and the purists will probably snort at the idea, but there are occasions and places when half-timber construction cannot be what it seems.

In the beginning half-timber was an integral part of the construction of a house, and it was called half-timbering because half the timbers were exposed. They formed the structural skeleton of the building. The spaces between the timbers were filled with brick "nogging" or with plaster daubed on wattles. There are still many houses in England where this wattles-and-daub style is to be found. Often the brick was laid in amusing and decorative designs. Thus in the old half-timber houses we had a combination of materials—the sturdy timbers, the rough plaster or brick, which might be left in its red state or whitewashed. For the roof there were used tiles that in

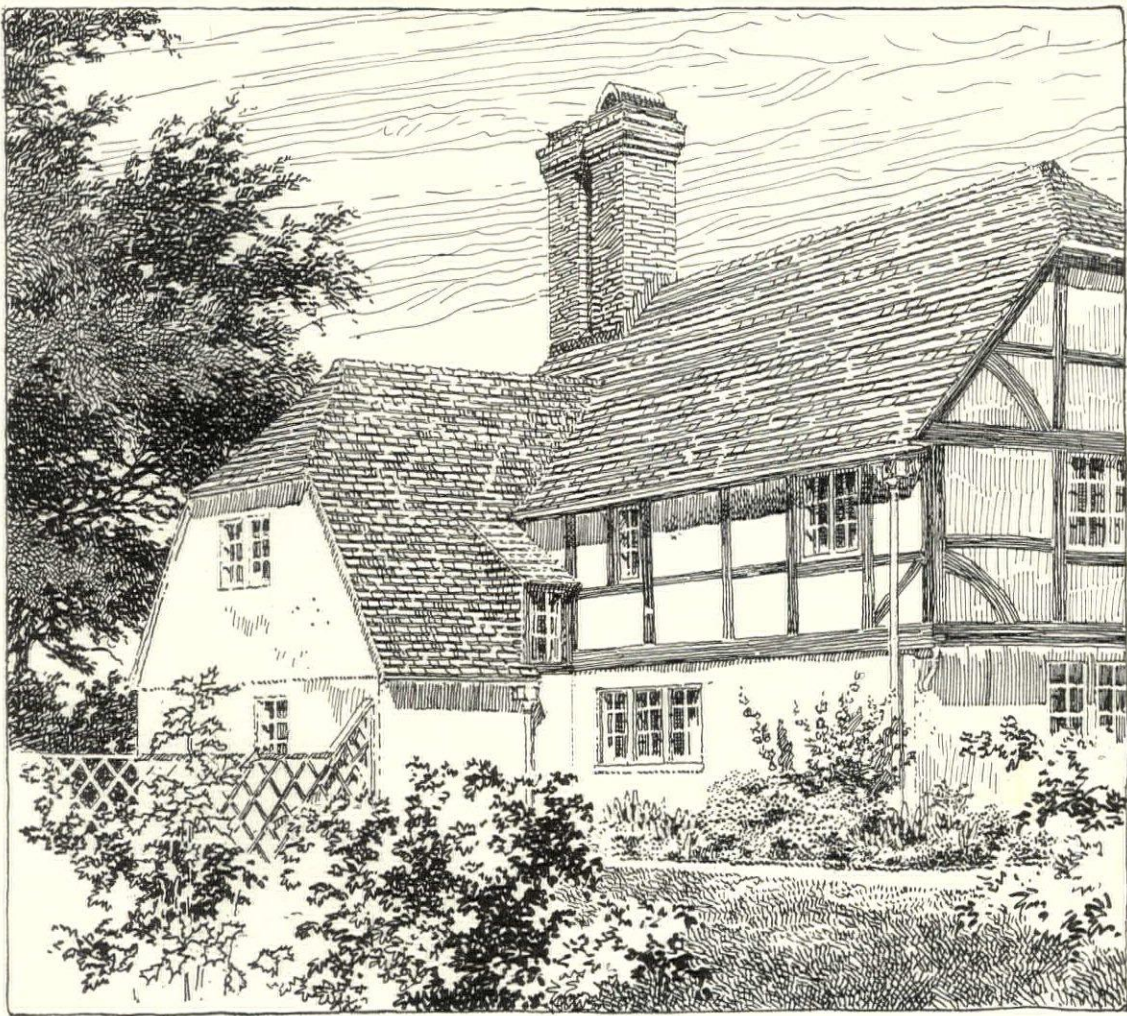
time accumulated moss. It was a primitive, direct and simple form of building.

This, remember, was in England, where the precipitation of moisture is usually constant. Turn to the American scene and, save in rare instances, our climate is dry and our summers are hot. How do these two climatic facts influence half-timber construction?

Since Oak is usually the timber selected for the skeleton frame of a half-timber house, we first require long-seasoned and thoroughly dried heavy beams. These are never cheap and not always available. Moreover, they must be placed with great precision lest the moisture from the walls cause the timber to swell and move the plaster or brick nogging. When it dries again, cracks invariably appear. Since such timbers are expensive and since there is this danger of their swelling and contract-

ing, the English style of true half-timbering is not universally used in this country. The average American half-timber house is really a house on which the timbering is simulated by being applied. Certainly for the small home builder it is wiser to use a structural frame entirely independent of the Oak half-timber work seen on the outside of the house.

The way such a house is built is simplicity itself—the usual timber frame is run up inside the walls and protected from the action of the elements. On to this are secured and attached the Oak members or planks which give the half-timber effect. After these Oak planks have been securely attached to the structural frame the builder can, at his discretion further simulate the old structural effect by using three-quarter inch round Oak pegs where the half-timber members intersect.



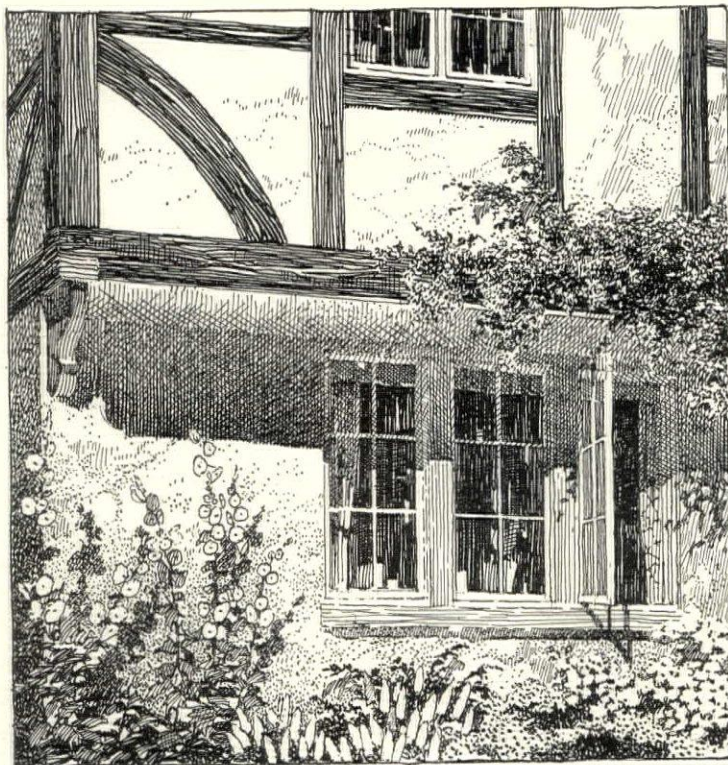
An English cottage type of house was selected as best showing how half-timber can be applied without losing any of the charm found in an older and damper country where the timbers are part of the house construction. This is the side view from the garden

Among the pleasant features of the design is the way the second story overhangs the first, casting a shadow on the wall and protecting the range of casement windows beneath. The overhang is supported by rough-hewn brackets applied, as is the timbering, to the wall

cottage. It is three stories high and most of the half-timbering is used on the two upper stories. The walls are hollow tile plastered but could be of white-washed brick, or the plaster could be put over an expanded metal base built on to a timber frame.

Many English cottage elements have been incorporated in the design—the covered entrance portico, the ranges of casement windows, the tucking of windows up under wide-hanging eaves and an overhanging second story. Decorative downpipes so characteristic of English cottages, have been indicated. The chimney wears a typical terra cotta pot. Among the pleasant features is the way shadows are cast on the walls by the overhang of the second story and the wide eaves. One of the detailed drawings shows a rough-hewn wooden bracket that helps support—or appears to support—this overhanging second story. This feature, by the way, can be found on many early Colonial houses, its source, of course, being England.

(Continued on page 98)



Both in the use of these pegs and in applying the decorative Oak planks the greatest restraint should be used. Crazy designs and hit-or-miss application will invariably lead to failure. Remember that half-timbering is presumably structural and that the planks should be placed in the positions they would naturally have if they were structural timbers. Study some good books or photographs of English half-timbered houses before venturing on this part of the design.

Where brick is used, the nogging is fairly simple. The wall is run up in the usual fashion, then chipped out and the decorative half-timbering set in. Of course, if brick designs are desired between the timbers, provision must be made for them while the wall is being built.

In using exterior plaster between the timbering, as shown in the accompanying illustrations, a key of some sort must be cut in the Oak members so that the plaster work is held rigidly in place.

The house designed to illustrate these points is taller than one usually finds an English



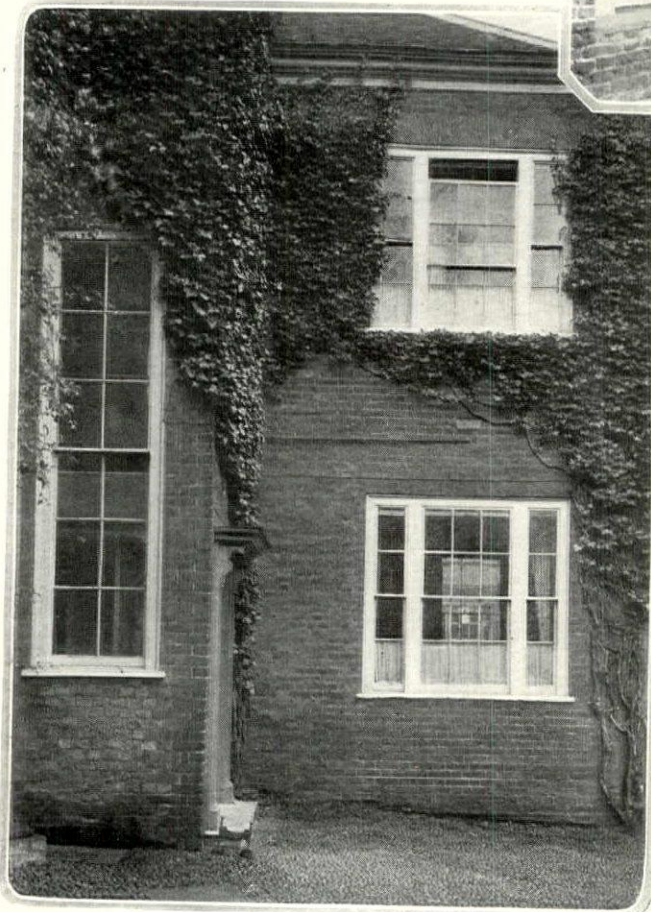
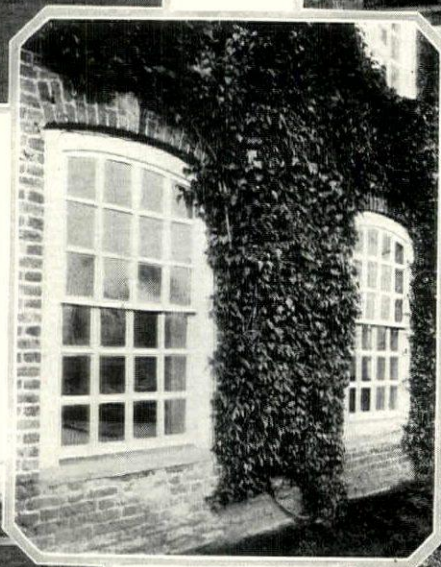
The late 17th Century windows on Harlington Manor, Bedfordshire, mark the gradual transition from the Tudor to the Classic style of architecture in England

(Below) Wyatt windows, at Amptill in Bedfordshire. James Wyatt was an 18th Century architect who originated this modification of the Palladian motif

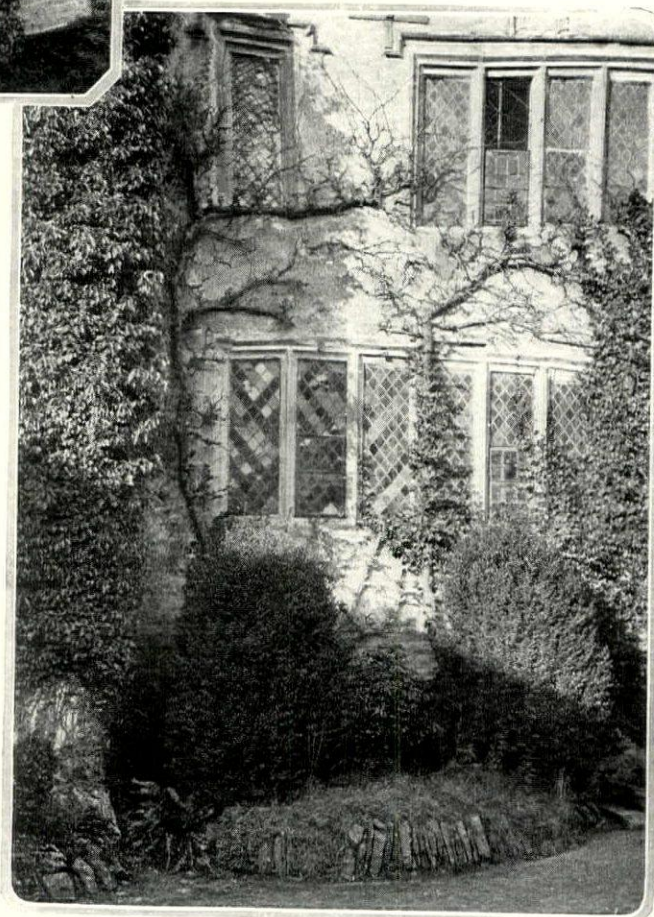


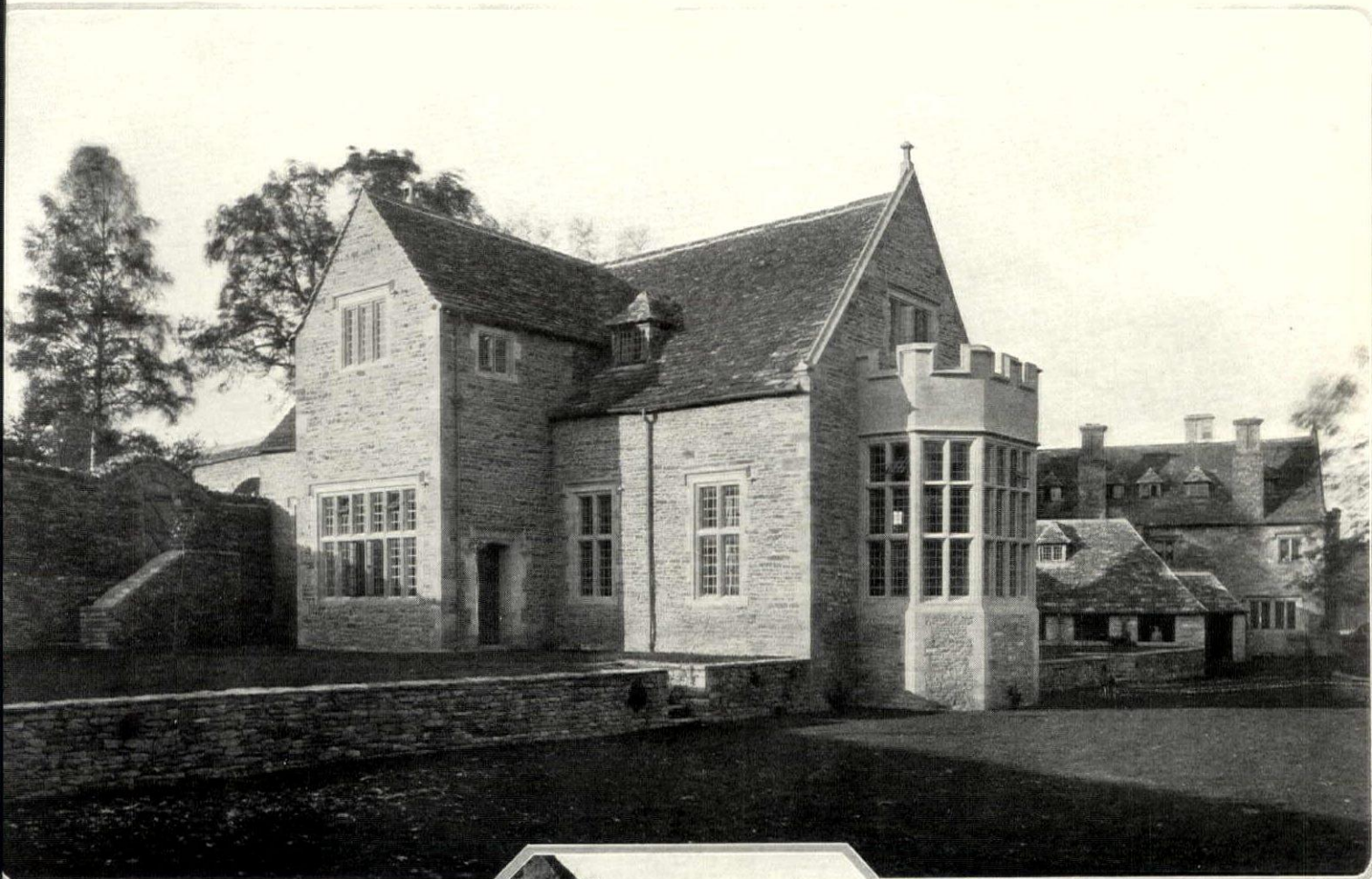
Windows at the back of the Spencer cottage, Broadway, Worcestershire. The upper one is a form of shallow bay and has leaded casements and wood mullions

(Below) These windows, on the south front of Oxelpen Manor, Gloucestershire, are ranges of leaded casements which are divided by a number of stone mullions

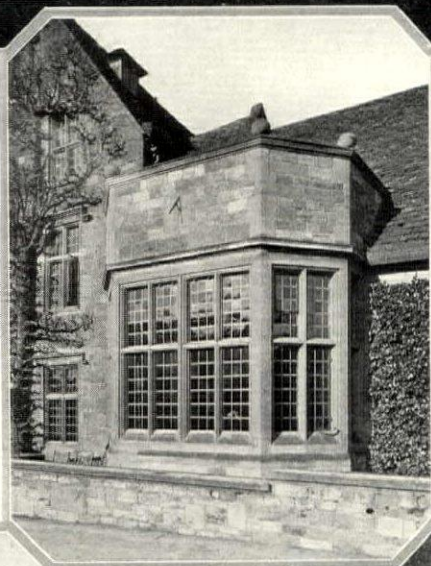


Windows on the east front of Eggington Manor, Bedfordshire, built about 1707 and typical of the Queen Anne style. Note the wide face of the frame, the small panes and broad muntins





DIVERSIFIED
WINDOWS
FROM ENGLAND

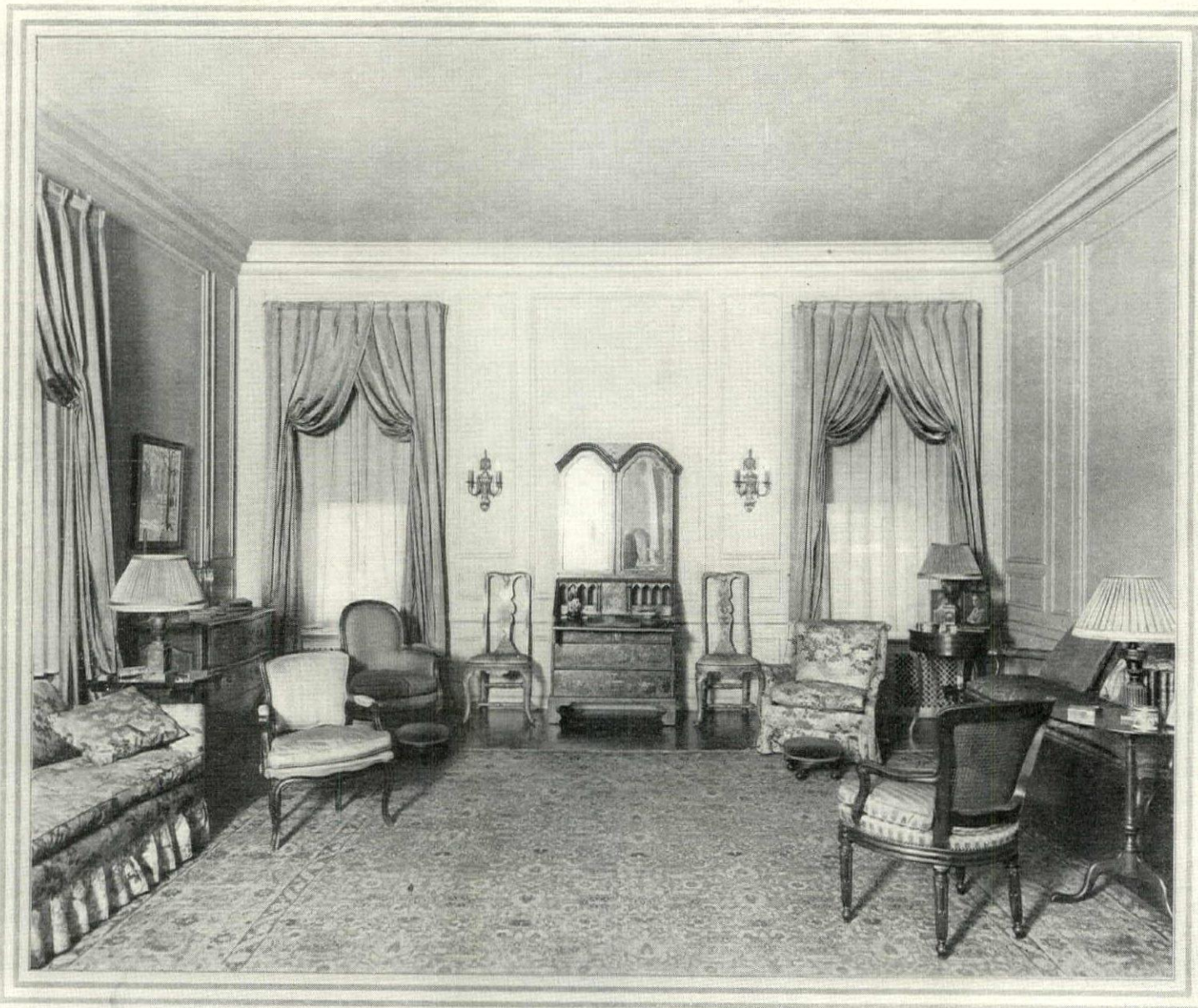


A stone mullioned bay window of three tiers of lights, lighting the southeastern end of the library at Asthall Manor, Oxfordshire. The bay is a recent addition to a library formed from an old barn

(Left) Another modern bay window which conforms with the architecture of Lygon Arms, Broadway, Worcestershire, to which it was added. The composition is a modification of the Tudor style



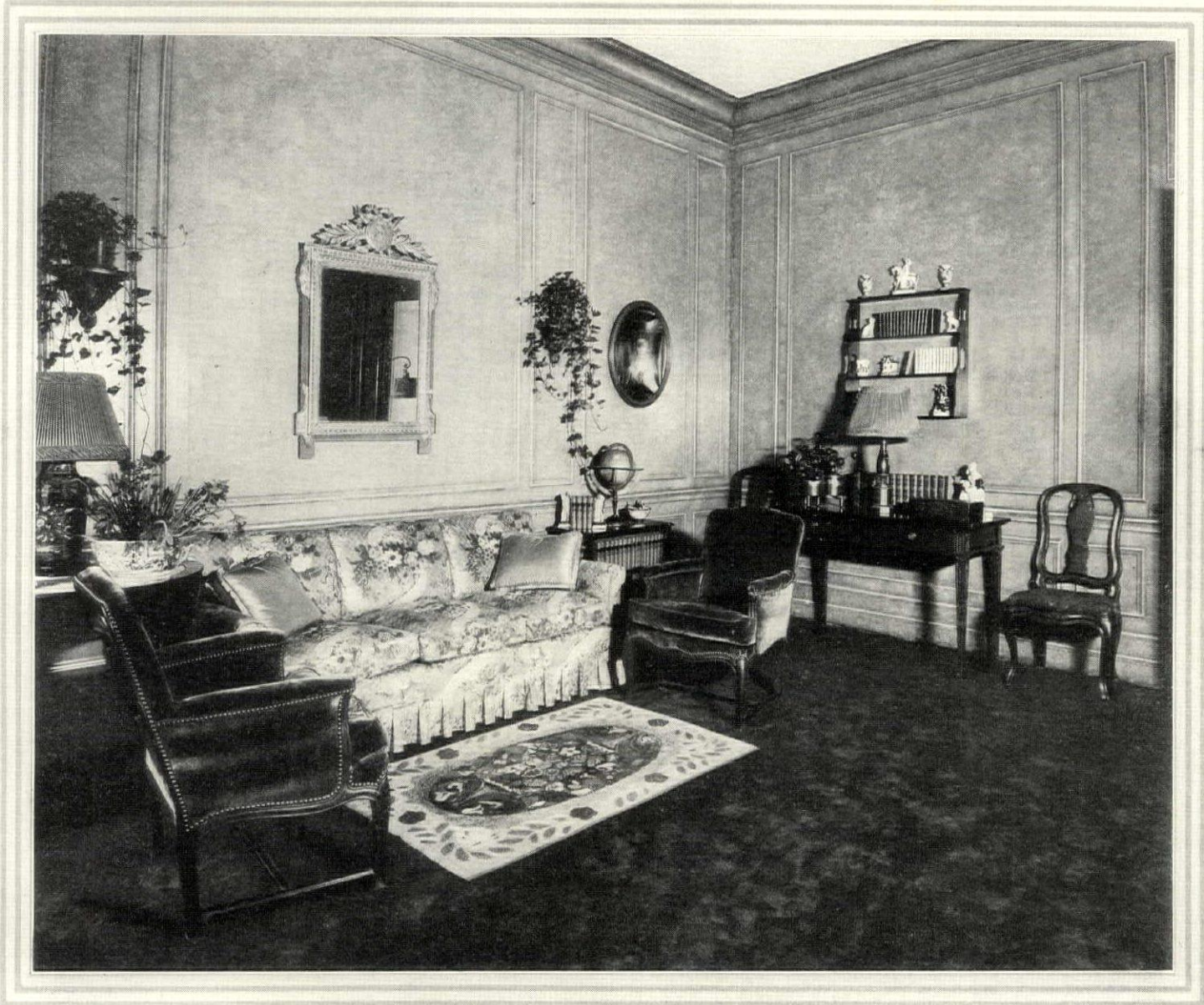
A pair of one-story bay windows on a little tavern in Northamptonshire. These bay windows are exceedingly simple in conception and are capable of turning the entire end of a room into a sun parlor



The living room in the residence of Mrs. Thomas B. Sweeney in Washington, D. C. is notable for the beauty of its balanced furniture groups and for the interesting assortment of plain and patterned fabrics used on the arm chairs



In this charming fireplace group graceful sofa and end table are balanced by a large table and pair of arm chairs. It is in the home of Mrs. Ashton Rollins, in Washington, D. C. Elsie Cobb Wilson was the decorator of both rooms



White

BALANCE
and
BEAUTY

The end-table and side chair in the arrangement at the right are successfully balanced by a small stand and arm chair. A decorative tapestry and pair of wrought iron torchères with drum-shaped shades complete this attractive group. Alice McCreary was the decorator



A livable as well as effective furniture arrangement for a living room side wall is shown in the photograph above. Nicely balanced also is the table group at the end. In the New York residence of Mrs. Clifford McCall, Diane Tate and Marian Hall were the decorators

THE NATURE OF SOME ALPINE PLANTS

A Picture of Mountain Conditions on the Continent and of the Plant Life

Especially Adapted to Thrive under Them

HENRI CORREVON

THE vegetation which spreads itself on the sides of the mountains, whether it be in Europe or in the four other continents, shows a mark of individuality, a character of its own, which strikes at first sight even the most unobservant of tourists. Among the plants there the stems are generally short, the body of the plant compact, dwarfed, and the flowers of a size relatively exaggerated, seeming to develop themselves to a much greater size than elsewhere.

While in our lower regions, our valleys, the large plants develop their foliage with branches erect and spreading, bearing flowers often smaller than the leaves, up there all is changed. The stems are almost gone. They are always very short with flowers relatively large, the foliage is scarcely apparent but little developed and often hairy, especially at great altitudes where a sort of down is necessary to preserve the cells of the plant against the heat of the day as well as against the cold of the nights. In many instances the leaves are smooth and often glossy, and their leathery texture is a means of protection against the hoar frost. Some leaves are tough and thick and furnished with a solid covering, a sort of waxy coating, which enables them to resist the withering effect of the sun's rays as well as the excess of humidity.

MANY VARIED TYPES

The species which grow in cool, shady places show neither of these characteristics; their corresponding organs are instead soft and delicate.

We meet many downy coated species on the dry and arid slopes which are exposed to the blighting winds and the heat of the sun, (as the Edelweiss, or Star of the Glacier, the various Senecios, the Artemisias, the Achilleas, etc.) We also find there the species free of down or hairs, such as the Azaleas, climbing all over the Alps, the *Rhododendron ferrugineum*, the various encrusted Saxifrages, the Gentians, etc. whose leaves are generally hard, thick and glossy. If we search again in cool and shady places, on the contrary, we find there the Ferns, the Lycopodiums, the viscous Primroses, the delicate and finely cut Saxifrages, a whole flora with soft leaves. Another contrast easy to observe is that in the sun the flowers of the Alps grow to a great size. The colors are bright and dazzling while on the contrary in the shade the flowers are more often small and inconspicuous as to color. The influence of the

Last winter M. Correvon, the greatest living authority on Alpine flora, delivered several lectures in this country which attracted widespread attention. The interest aroused by them and by his books gives particular importance to this initial instalment of an Alpine series which will appear in the pages of House & Garden under his signature

sun seems then to be more intense in the high altitudes than elsewhere.

The annual species so abundant in the vegetation of our plains is almost entirely missing above the snow limit. The short summer allotted to them does not allow these plants to accomplish in one season the complete cycle of their existence. The only species which are not perennials are some Euphrasias, some Louseworts and one or two Gentians. Everywhere one sees perennial plants with offshoots branching at the base, spreading on the ground from which they seem to seek protection against the chill of the cold nights and the bad days, which are numerous even during the short summer which is allowed to this vegetation.

These Alpine plants, the kind which in our lowlands form shrubs or even grow to be great majestic trees, are represented there by the dwarf or creeping varieties, hardly more than a few inches high. The Willows, the Alpine Azalea, the Arbutus, the dwarf Birch are among this number. Between the stones and in the crevices and fissures of the rocks dwell these close-shaven plants, having the appearance of dense pincushions, or of hemispheres formed of a great number of little rosettes pressed one against another, covered with a profusion of sessile blossoms and crowded together adorning the surface of the plant like embroidery, so that one sees the foliage as if through a veil of delicate bloom, which is at times of dazzling hue. The leaves overlap each other like tiles, one over the other, very small and interesting. These dwarf compact clumps produce a marvelous effect. They gleam upon the rocky slopes like jewels and give them an appearance actually enchanting. Upon the high hills of our Alps, on the rocky ridges of the highest mountains, we can see side by side, the most perfect jewels of the mountain flowers, radiant as stars upon the frozen, rocky ground. They form there like a mosaic, a carpet of the brightest colors; and no painter, no matter how great an artist he may be, can portray the striking impression which they make upon the beholder.

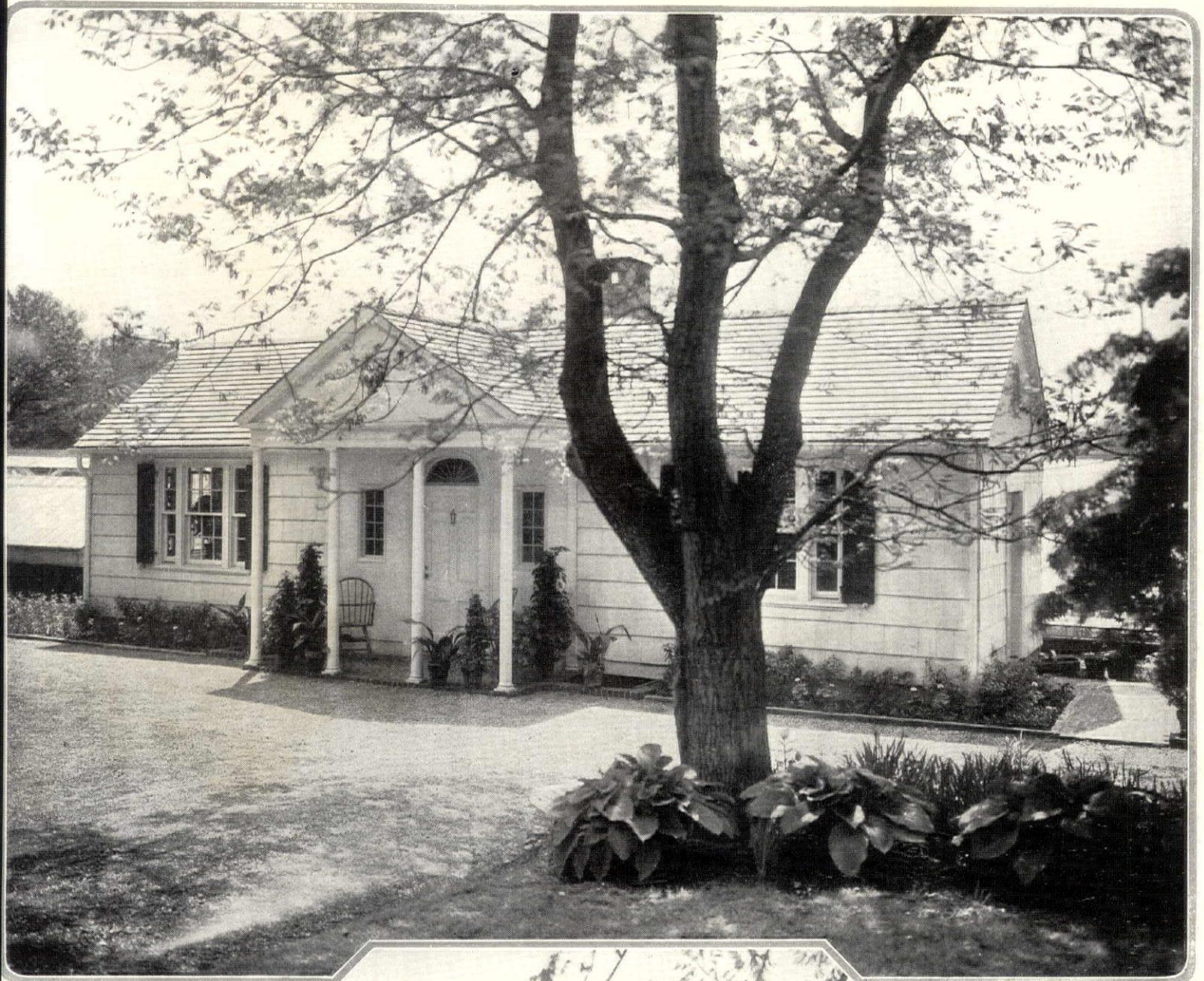
The dwarf *Myosotis eritrichium nanum* grows in our high altitudes, as well as on the rocks of the high mountain heights of North America, painting a veritable heaven of azure, a deep and delightful blue which thrills and charms you, a special blue which belongs to this flower alone. It is not only a Myosotis, it is a jewel; its closely set flowers, quite without stem, are laid against one another so closely that the whole mass seems like a stroke of the brush in a beautiful picture. By its side is spread out the glacial Androsace, which is of as tender a pink as the Myosotis is blue and is also dwarfed and closely shaven, presenting to the sun its mass of stemless flowers, compact and imbedded in the clump. The tint is pale or deep; it varies from pure white to the most vivid pink.

FLOWERS WITHOUT STEMS

Then there is the pale yellow sulphur tint in the petals of the charming *Saxifraga stenopetala*, one of the most charming among the Alpine plants. Further away is the carmine of the Saxifrage with opposite leaves, the red blood of the *Saxifraga biflora*; then other shades and other colors as we continue to admire this marvelous carpet. Always they are the flowers without stems, closely attached to the surface of the plant upon which they embroider their blossoms. Besides these, there are others that glow like rubies upon the ground, and this sight alone is worth a pilgrimage to the high peaks. It is indeed there that we may say "Terrestria sidera flores." In mountain vegetation all the energy of the plant is concentrated upon the flowers and consequently upon the organs of reproduction. We can easily understand this flora when we know the conditions under which it lives and develops—that it might take the plant several years to accomplish the cycle of its existence, and that it must in one summer reach such a period of development that it may have both flowers and seed.

When one ponders the enormous difference between the climate of the high altitudes and that of the lowlands, there is no difficulty in understanding that the vegetation there clothes itself in a very different manner. While in the lowlands the plants pass from a damp winter, comparatively mild and not of great duration, through the stages of spring to a warm and dry summer, which allows the slow and gradual development of leaves and

(Continued on page 136)



Dreyer

AN ADJUNCT
TO THE
GREENHOUSE



One end of the house accommodates tools and is reached by a side door, another has the workroom for potting, and in the center is a large hallway, which is reserved for exhibiting flowers. This is entered from the front portico; a rear door leads from the hall into the greenhouses

On the estate of Mrs. W. L. Harkness, at Glen Cove, N. Y., the workrooms of the greenhouse range have been given more than the usual architectural treatment. A shingled building with a Colonial portico and entrance adds attraction to the garden. Charles S. Keefe, architect

HOME ORCHARDS AS THEY OUGHT TO BE

Wise Selection of Varieties, a Good Planting Plan and Correct Soil Are the Foundations for Abundant Fruit

M. G. KAINS

EVERY now and then some country home owner says to me in substance: "When I was a boy my grandfather always had an abundant supply of delicious fruit. There wasn't a break all the year around, and we didn't have cold storage, either. Now, I want to have just such an assortment of fruit on my place. How shall I go about having it?"

Before going into a detailed answer to this question, let us remember that since "grandfather's day" many changes, some of them not improvements so far as quality is concerned, have been made in lists of varieties, in ways of managing the plants, in controlling enemies and in handling the fruit. During these decades fruit growing has developed into a tremendous commercial business, the inevitable result being that many choice varieties have been dropped by nurserymen because they are not commercially profitable. This has tended to lower the quality average of available fruit in the markets.

When the available space is unlimited it is advisable to set out the various fruits in separate areas, just as commercial fruit growers do, planting Pears in one area,

Plums in another, Grapes separately, and so on. This facilitates operations in handling the various crops. The only conspicuous commercial exception to this plan is the planting of young Peach and Apple trees alternately, the plan being to pull out the Peaches when they begin to fail or when the Apples need all the space.

When the space is not unlimited but still is fairly liberal the above plan may be modified by dividing the fruits into four or preferably five groups: tree fruits, Grapes, Strawberries, cane fruits (Raspberries and Blackberries), bush fruits (Currants and Gooseberries). The last two groups may be planted adjacent to each other.

When the area is so limited that only, say, half an acre can be devoted to fruit, and where we want to grow the greatest assortment of kinds, the best plan is to divide the space so each of the above groups will ultimately have its allotted section, though while the orchard is developing the space between the trees may temporarily be filled by other fruits. Grapes, however, should never be planted in an orchard or near trees.

In this article we will assume that we

have half an acre to devote to tree fruits separately. We will also assume that we want to grow the greatest possible assortment of tree fruits adapted to the climate of New York and middle New England. This restricted area will compel a series of eliminations. First we should rule out all staple culinary varieties such as Baldwin and Greening Apples, Bartlett and Kieffer Pears, Lombard and German Prune Plums, and Elberta Peaches. In their seasons these can always be bought at reasonable prices, anyway.

Next we will omit, or at least plant sparingly of varieties that ripen when there is normally an abundant supply of other fruit. For instance, during August and September there are Blackberries, Peaches, Grapes, Plums, early Pears and Apples, none of which can be kept long but all of which should be adequately represented.

We will then try to avoid gaps in the home supply. The most conspicuous of these is likely to occur after the September menu just mentioned has given out. There are no really choice Peaches or Plums that ripen in the vicinity of New York City during October. But there are several



A tree whose form has not been properly developed in its early years becomes structurally weak. In such a case as this guy wires should be used to join opposite limbs and thereby support them

The proper placing of limbs is shown at the right. A tree like this is sound in structure, for the danger of splitting caused by several main branches starting from the same point is avoided



Many fruit trees have distinct ornamental as well as utilitarian value, especially when in flower. Thus, a well formed sweet Cherry tree may properly adorn a lawn close to the house

delicious Pears and many Apples, very few of which are ever obtainable in the stores. Most of these varieties will maintain their excellence for a month to two months or even more with only the most ordinary common-sense care.

As far as possible we will give preference to Apple and Pear varieties which begin to bear within five or six years rather than to those which delay for ten or fifteen. The other tree fruits usually start to bear before they are five years planted. Several of the slow ones are delicious, but we are in haste to get our own fruit.

Having made these decisions, the next step is to draw a planting plan. For convenience let us say that our available area is 100 by 100 feet or 125 by 250. The former is a little less, the latter a little more than half an acre. Then if we will try to visualize the trees as full grown we will be more likely to allow adequate space between them than if we place them only in their little nursery stock sizes. The tables of distances given in the fruit books are mostly adaptable for business plantations. If we stick to them strictly in our small area we will have neither symmetry nor convenience in handling our orchard because these distances vary for the various kinds of fruits.

The best way to avoid these objections is to adopt a unit that will both provide adequate space between trees and permit placing bush and cane fruits but not Grapes temporarily—say five to ten years, perhaps a little longer—in these areas in such a way that they may be cultivated by a horse or a tractor from each direction.

For the home orchard, 25 feet between trees may look too liberal, but with proper care the Peach and other small growing trees may be allowed to remain much longer than would be the case at less distances. Even the Peach whose average commercial life is only ten years may be kept



vigorous and prolific for twice or three times as long. Why not give it that chance? Fifty trees, including twelve Apple, fifteen Peach, ten Pear, seven Plum, three sour and three sweet Cherry, will give a liberal supply and variety for the ordinary sized family, provided the varieties chosen ripen successionally.

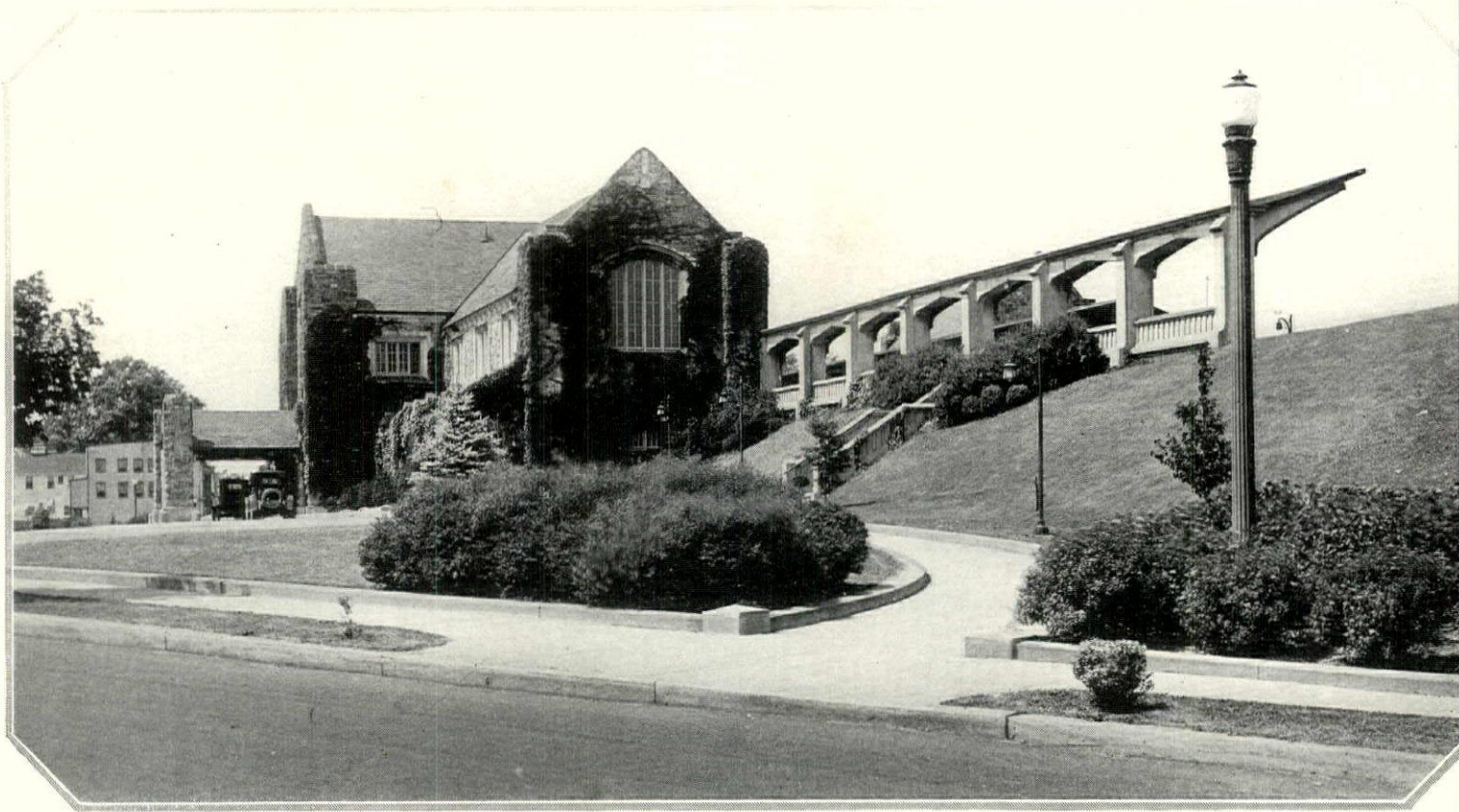
While Apricot trees are hardy, the blossoms are often destroyed by frost; so we will not include them in our orchard plan. But since the trees are beautiful when in flower they deserve a place among ornamental trees. Any fruit they yield will be just that much to the good. Apricots ripen during late June and July, mostly. Quinces may also be treated as ornamental shrubs, not because they are tender but because they need only about 12 feet of space between bushes. One or two bushes will usually be sufficient for a family supply.

We will place the outside rows of trees well inside the fence preferably half the distance between trees—10 or 12½ feet. This will allow space for turning the tillage tools. As most Apple and all sweet Cherry trees grow very large, they must be given ample space—forty to fifty feet. The Pear, while usually not so large-growing, is long lived and when mature is naturally larger than the other fruit trees. The Peach, Plum and sour Cherry trees may be placed at 20 or 25-foot intervals.

If planted 25 feet apart and well managed such an orchard should continue productive about as follows: Peaches, (Continued on page 108)



In planting, the soil should be well worked in among the roots with the fingers before tramping it down solidly. It is essential that no air pockets be allowed to exist underground in the root area



The station at Madison, N. J. is not only architecturally meritorious, but its grounds as well have been planted with pleasing and dignified landscape effects. This and the other photographs are shown by courtesy of the Delaware, Lackawanna & Western Railroad Company

STATION GROUNDS FOR TOWN BETTERMENT

*How the Railroad and the Town Can Co-operate to
Give the Community an Attractive Gateway*

JOHN ALLEN MURPHY

A COUPLE of years ago an Australian publisher visited the United States. I asked him what most impressed him in this country. "The fact that you raise so few flowers, shrubs and decorative plants," was his surprising response. "I have traveled from the Pacific Coast to New York. While I found your natural scenery entrancing, your towns are anything but inviting. Whenever we passed through an urban community, I could see nothing but warehouses plastered with gaudy posters, poultry runs, coal and lumber yards, and ash heaps decorated with tin cans."

I explained to the visitor that he had made the mistake of judging our towns by what he could see of them from his Pullman seat. I told him that our railroads passed through the most unattractive sections of our cities and that because of the kind of

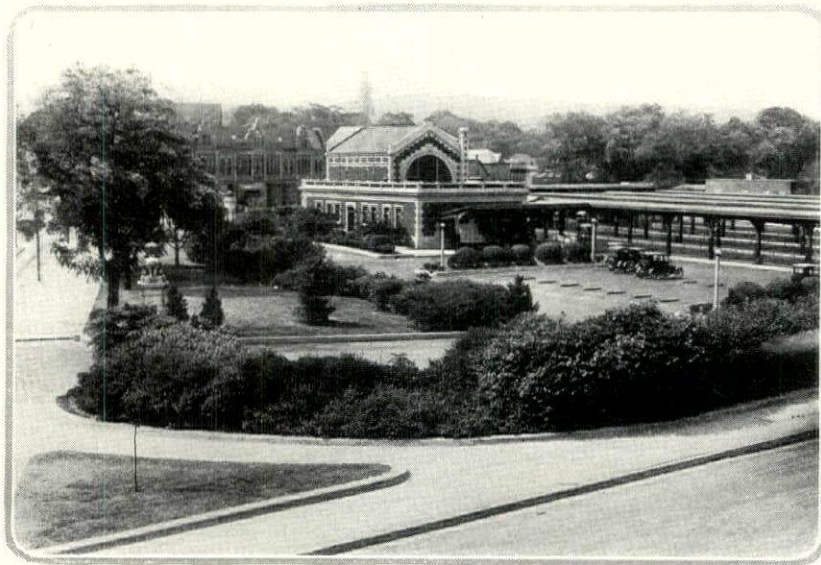
business enterprises necessarily located near the railroad yards, it was difficult for the railroads to beautify their terminals or rights-of-way.

Despite the development of the automobile, the railroad is still our most important means of transportation. Annually it brings thousands of persons into a town.

It carries many other thousands through the town. It is unfortunate that these travelers should get their first, and, in some cases, only view of the community from the trains. They naturally get the impression that it is as drab, smoky and warehouse-ridden as its railroad approach. The inevitable conclusion is that the community

is not a pleasant place in which to live, to shop or even to visit. Thus an uninviting gateway to a city is a bad advertisement for the place that may hurt it both socially and commercially.

But what can be done about it? Is a community doomed always to have an ugly railroad approach?



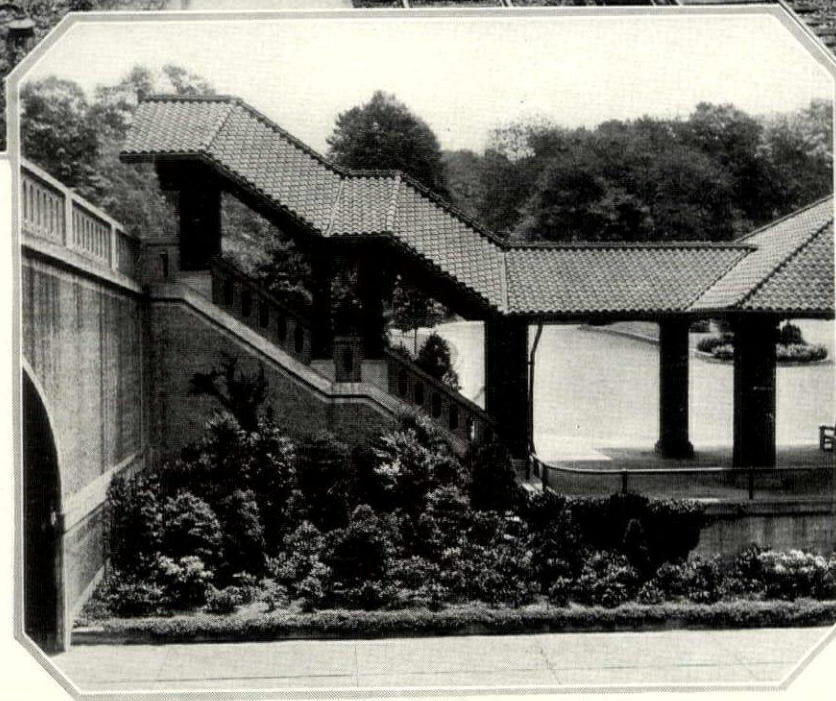
The tastefully landscaped railroad station at Montclair, N. J., where an ample automobile parking space is part of the layout of the grounds



The managements of a number of railroads have decided that their depots and station grounds can be made attractive without in any way interfering with their utility. Practically all the roads are now building architecturally acceptable stations. Some of them have gone further, and are landscaping their station grounds and are planting their right-of-ways with vines and shrubs. This is particularly true of the commuting roads that cater to residential suburban communities within a short distance of large cities.

This tendency has been helped by a number of developments, which now make it possible for the railroads to beautify their properties. Some of these developments are: (1) Zoning laws which keep factories away from residential sections. (2) The rise of the residential town, in which a minimum of commercial business is carried on. (3) The electrification of the railroads or the burning of hard coal, which does away with the smoke nuisance that made it almost impossible to maintain plant life in the vicinity of railroad yards.

The Delaware, Lackawanna and Western Railroad was one of the first rail-



The two views here are of Mountain Station, N. J. The upper photograph shows how the right-of-way has been planted and how citizens co-operate with the railroad by developing their backyards. Below is the winter garden planted for green effects throughout the year

roads in this country to undertake a program of landscape development. It started the work prior to 1900 but has been carrying it on systematically ever since that year. To a certain extent the road landscapes all its stations, except in the larger cities where plantings are impracticable. Naturally its more extensive plantings are in the suburban towns near New York City.

The size of its landscaped plots range from narrow strips in front of some of its stations to veritable parks about others.

The program of landscape development which the Lackawanna established in 1900 was so vast that for the first ten or fifteen years the company did not seem to make much headway in carrying it out. But it kept planting—each year putting thousands of shrubs, vines and perennials into the ground. It took years for these young plants to

grow to their normal size and to fill in the space that they were intended to beautify.

In the meantime the company used annuals and hothouse plants to decorate its grounds. From 250,000 to 300,000 hothouse plants were used each year. As the shrubs and perennials established themselves, however, gradually the yearly planting of annuals decreased until at present the use of annuals has been virtually abandoned.

Some questions that will be likely to occur to the reader at this point are: Why should a railroad go to all this trouble and expense? What does it accomplish? Do

(Continued on page 118)



AN EXAMPLE
of
DISTINCTIVE
ARCHITECTURE

A deeply revealed doorway such as the one shown at the right lends an air of stability to a house. The refinement of its carving and moldings makes the doorway the principal architectural feature. This house is finished with both stucco and shingles. Wilson Eyre & McIlwaine, architects



This interesting house, designed for Mrs. Edward Roberts at Paoli, Pennsylvania, has achieved an architectural informality which is unusual in such a large residence. The paved courtyard and excellent landscaping add greatly to the composition. Robert Wheelwright, landscape architect

PAINTS AND VARNISHES

The Different Types of These Finishes and Their Composition, Characteristics and Use

HENRY B. RAYMORE

PAINTS and varnishes serve as a protection to a surface, enclosing it under an air tight film of microscopic thickness, thereby preventing the ravishes of weather and fungi. In order to accomplish this they must be so made as to spread evenly and thinly and to withstand for a long period the action of the elements. Their secondary use is for decorating the surface in which they are employed, a function whose importance must never be allowed to cause us to lose sight of their more important mission of preservation.

Paints may be classified in general as follows—oil paints, varnishes and shellacs, water paints, stains. Oil paints consist of white lead, boiled or raw linseed oil, and often zinc oxide. The function of the oil is not only that of a vehicle for the pigments, but since it dries into a tough film, it acts as a preserving agent. Paint is coloured by adding various mineral pigments. Flat paints are made with a large amount of volatile "thinner" and less oil. The thinner evaporates leaving a dull flat surface. Enamels are made by substituting varnish for oil, which gives a hard glossy surface.

KINDS OF VARNISHES

Varnishes are of two kinds: "oil" and "spirit". Oil varnishes are a solution of resinous substances in linseed oil, thinned with turpentine. Spirit varnishes are made with alcohol instead of oil. Varnish is easy to adulterate, rosin often being substituted for the more expensive resins. These resins are fossil gums of tropical origin, known as Kauri, Manila Copal, Damar, and Zanzibar Copal. Inferior varnish can usually be detected by the water test. Let a wet sponge stand for several hours on the surface to be tested, and if the varnish is unaffected, it is of high quality; if it turns white but regains its original lustre after drying, it is of medium quality; if it turns white and remains so, it is an inferior resin product. Shellac is the commonest and most useful of the spirit varnishes. It is made of gum shellac dissolved in alcohol.

Water paints consist of ground whiting or similar powders mixed with glue, casein or some other adhesive, and then thinned with hot or cold water. Earth pigments giving a variety of tints can be added as desired.

Stains are perhaps the most abused members of the paint family, because they are the least understood. They are either acid,

varnish, aniline or water stains, depending upon the medium which is used to carry the pigment.

Oil paints are generally used for exterior work and for interior trim. White lead and oil, with the necessary color pigment added, is best for all exterior work. Flat paints and enamels are adapted only to interior painting and can be used according to one's personal preference. Three coats at least should be applied for exteriors, and three or four for interiors. If enamel is used, the three under coats can be of lead and oil. In new wood, knots should be shellacked before applying the first coat to prevent the pitch from striking through. Nail holes and imperfections should be puttied after the priming coat has been put on. Each coat should be allowed at least seventy-two hours in which to dry before applying another, and before enamelling the surface should be smoothed with sandpaper. Better results are obtained by putting on several thin coats than two or three thick ones. Oil paint cannot, of course, be used where a natural wood finish is desired, and it is not satisfactory for floors unless varnished, as the painted surface is not tough enough to withstand traffic. For plaster surfaces and work which gets little wear, or which is to be done cheaply, there are several patented paints on the market. There are also various "liquid cements" made from Portland cement, asbestos, sand and linseed oil or kerosene, which are adaptable for both exterior and interior work. They are capable of giving very interesting trowelled, sand blown and modelled effects due to their heavy body.

Varnishes are generally used where natural wood finishes are desired. Only the best quality should be employed as poor varnish soon deteriorates and the surface must be done over which makes an expensive and troublesome job. Floors are best treated with shellac and wax, because if worn places appear they can easily be patched, whereas varnished floors must be done over entirely each time. Varnishes may now be had in a great variety of beautiful shades so that it is no longer necessary to apply first a stain and then a clear varnish. For fine surfaces "rubbing varnish" should be used. This contains a relatively high percentage of resin, dries very hard, and can be highly polished. Rub down with powdered rotten stone or pumice between coats. "Spar" varnish contains less resin and gives a more flexible and weather re-

sistant finish. It is best for exterior wood work, porch ceilings, floors, and generally wherever hard wear is liable to occur. Shellac should never be used for exteriors or where the surface is subject to washing or scrubbing, as it will not endure this treatment. If used on floors it must be waxed.

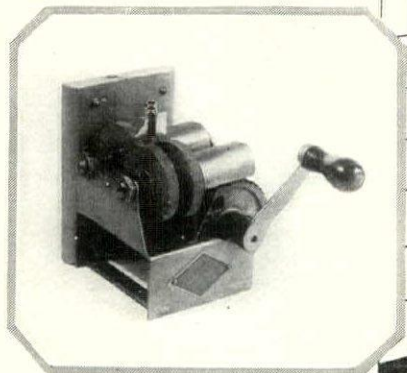
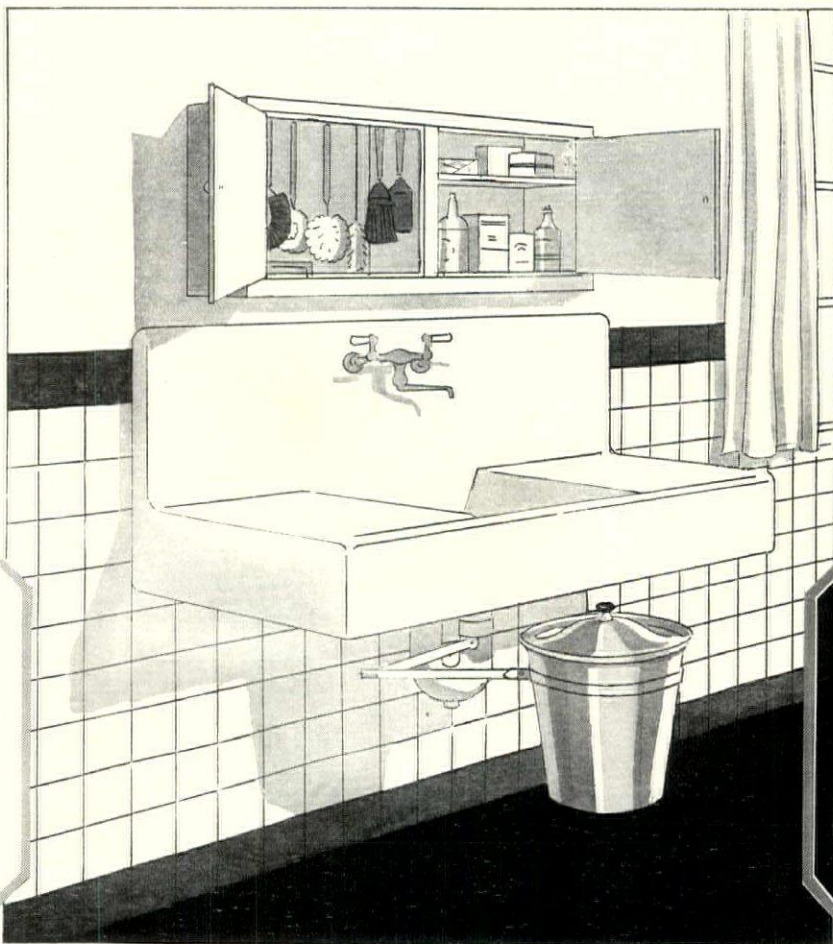
Water paints are useful mainly for tinting walls and ceilings. They are not easily cleaned and are therefore unsuited to kitchens or bathrooms. In applying them a sizing of adhesive material such as glue should be first applied to kill the plaster. One coat of water paint is then sufficient. In doing over old work, all the water paint should be washed off, as it has a tendency to flake off if applied in thick layers.

THE USES OF STAINS

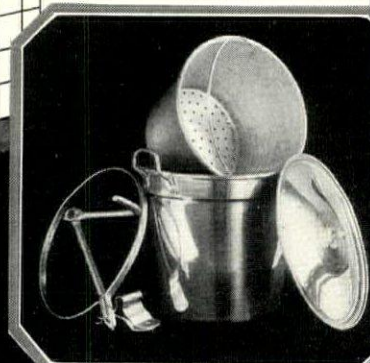
Acid stains are used to bring out the silver gray tints in pine and cypress. This effect is obtained by the burning action of the acid. They are hard to apply and should not be attempted by the amateur. Varnish stains are merely a thin varnish acting as a vehicle for the pigment. They are intended to be used as a preparation for varnish or shellac. Aniline stains are made from aniline dyes and are liable to fade rather badly. Their colours too, are somewhat too brilliant for most uses. Water stains are merely solutions, or suspensions of pigment in water. They fade, and also on soft woods have a tendency to roughen the surface by raising the grain. They are non-preservative. Shingle stains are really very thin paint, with creosote or some other wood preservative added. This is effective only until it evaporates. Shingles should be dipped rather than painted, as in this way all of the surfaces are reached and not merely the exposed portions.

"DON'TS" FOR THE PAINTER

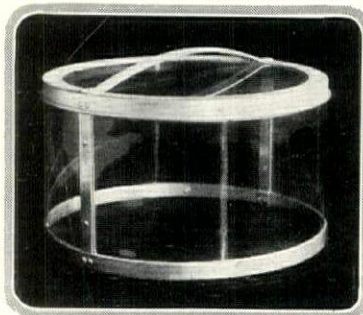
1. Don't paint in wet weather.
2. Don't paint unless the surfaces are not only absolutely dry, but clean and greaseless.
3. Don't thin your paint with gasoline, kerosene, or anything except turpentine.
4. Don't hurry. Give each coat at least seventy-two hours in which to dry.
5. Don't paint varnished surfaces without first sand-papering.
6. Don't try to get all the paint on in one coat. Many thin coats are much better than a few thick ones.
7. Don't forget to shellac knots before painting.
8. Don't forget to putty holes after priming.
9. Don't use water stains on soft wood.
10. Don't use cheap materials. Use only the best quality. The difference in cost between good and poor paint is nothing as compared with the bother of applying it.



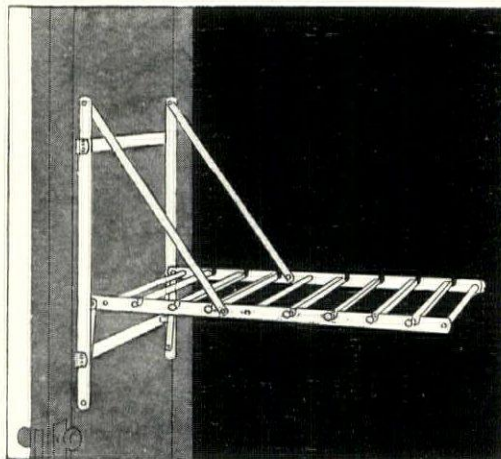
The small but efficient knife sharpener shown above should be in every kitchen. Just turn the handle and draw the blade between the revolving discs. Included also is a special attachment for sharpening scissors



(Above) A vast improvement over the old three-cornered sink strainer is this aluminum refuse receptacle with its inside strainer. The sketch at the top of the page shows it in position under the sink



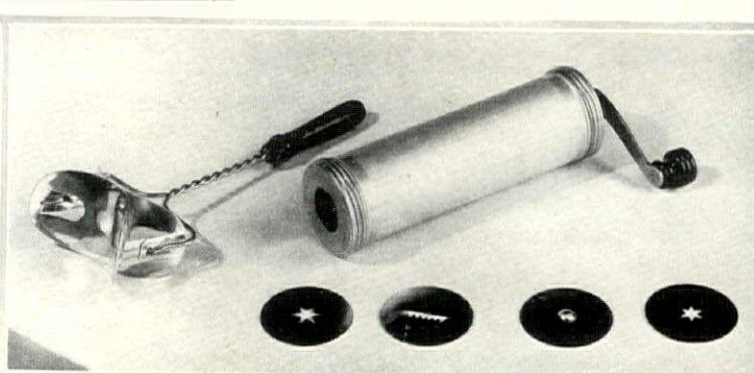
Over the sink in the sketch above is a small cupboard of enameled steel for brushes, soap and other sink accessories. (Right) For the food that doesn't go into the refrigerator come transparent fibre food covers in various sizes

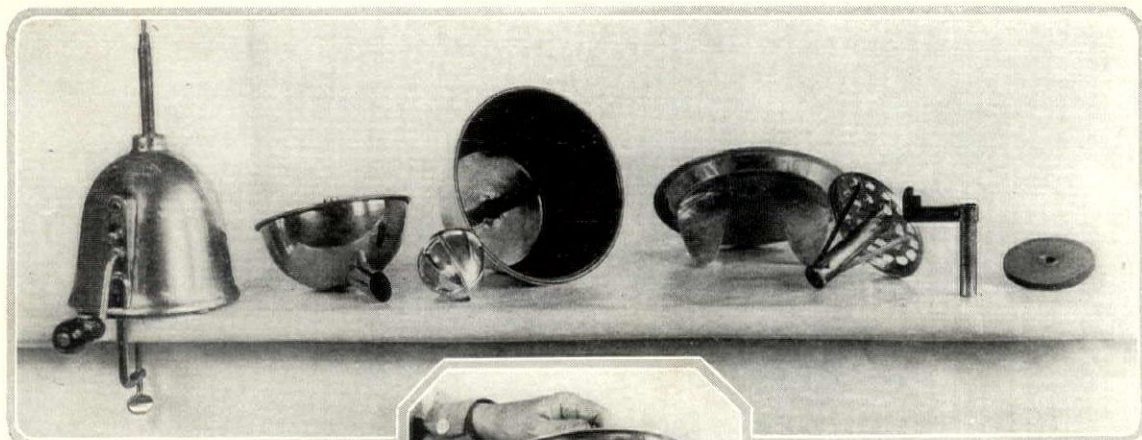


(Right) A clothes rack that folds up flat against the door. (Below) A small vacuum brush to be used for clothes and upholstered furniture. In the same picture is a sturdy clothes brush which contains a cleaning fluid. This fluid flows down the bristles and loosens any embedded dust

NEW
HOUSEHOLD
EQUIPMENT

The cutter at the left in the picture below cuts cookies as it rolls along. The other implement is a fancy cookie press that makes delightful little cookies, tarts, and jumbles, plain or ruffled, according to the die used. All the articles on this page are shown by courtesy of Lewis & Conger



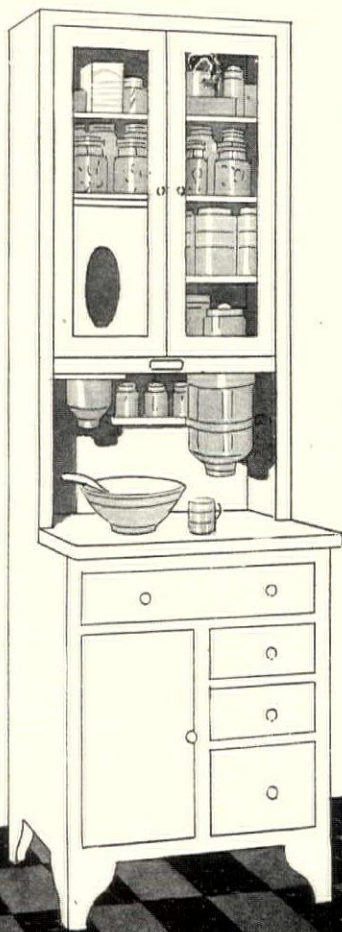


Above is an ingenious new kitchen utensil that reams oranges, beats eggs and sharpens knives, all by the turn of a handle. The photograph at the left shows the utensil with the knife

sharpening disc in place. In the center is shown the use of the bowl attachment for whipping cream or eggs, and in the picture at the right is shown the fruit juice extractor



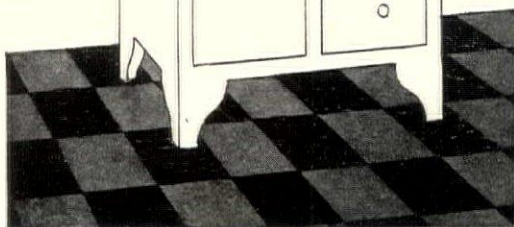
This collection of household brushes contains a soft brush for furniture, a shaped brush for cleaning tufted chairs, a long handled scrubbing brush, a slender brush for cleaning radiators, and a stair carpet brush with coarse, stiff bristles. At the bottom is shown a long handled hearth brush



An ideal small cabinet suitable for use in a kitchenette is shown in the sketch at the right. It measures 87 inches high, 24 inches deep and is only 27½ inches wide. It is constructed of white enameled steel



The wooden handles on the aluminum spoons above are strongly fastened and never get hot. This set includes a cake turner, slotted spoon for mixing and stirring, basting spoon, ladle and oval ladle for pouring gravy. All the articles on this page are from Lewis & Conger



The GARDENER'S CALENDAR for AUGUST

This Calendar of the gardener's labors is planned as a reminder for all his tasks in season. It is fitted to the Middle States, but should be available for the whole country if for every one hundred miles north or south there be made a difference of from five to seven days later or earlier in operations. The dates given are for an average season.

SUNDAY	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	SATURDAY
1 Strawberry plants set out now will bear next season. To secure the maximum production season, divide your order equally between early, mid-season and late varieties.	2 Taller growing varieties of Gladioli should be staked to protect from breakage. For individuals and small clumps single stakes will suffice. For rows, use lines of twine.	3 Uncultivated ground that you intend to plant next year ought to be plowed or spaded now, raked, and planted with some green cover crop like Canada Peas or Vetch.	4 The tops of the Asparagus plants should be left standing until after the seeds ripen to give the roots an opportunity to store up growing energy for next spring's crop.	5 Lilies like to have their roots fairly cool, especially during the hot weather. Unless foliage of some sort shades them and produces this result, mulch with grass clippings.	6 Narcissus plantings that have become crowded, or in which the soil needs enrichment, may be dug up now and sorted preparatory to replanting at the usual time in the fall.	7 Early Celery that needs blanching will do better when boards or patent blanchers are used than if banked with earth. The trouble with earth is that it creates heat.
8 Every weed that ripens and spreads its seed means more trouble for you next year. Get weeds out of the ground before they mature, and be sure to remove all of the roots.	9 Top-dressings of finely ground bone meal worked in around the Rose bushes will stimulate them and result in finer flowers during the short blossoming season.	10 The compost heap is a garden asset to which additions may be made throughout the year. Grass clippings, soil, vegetable tops, leaves—all these materials should go into it.	11 Arsenate of lead spray is the remedy for all sorts of leaf-eating pests. It is an internal poison which must be taken in with the leaf fragments, so is no cure for aphid.	12 Discarded matter from kitchen and table will, if dug into the vegetable garden, eventually make good plant food. It is well not to mix coffee grounds or grease with it.	13 For the finest Dahlias, disbudding should be continued to the end of the season. It results in larger flowers through the concentration of the plants' energy.	14 Do not cut down the foliage of the Peonies; its presence is necessary to the welfare of the roots. It will make no further growth but should be left until killed by frost.
15 From now until late September is a good time to plant coniferous evergreens. It is essential, however, that they receive an abundant supply of water until freezing weather.	16 Muskmelons will be helped to ripen evenly and escape rotting by placing a bit of board under each fruit so as to get it off the ground and permit of free air circulation.	17 At this time of year the Tomato plants are not infrequently attacked by very large pale green caterpillars that eat the foliage voraciously. Hand-picking is a remedy.	18 When sprinkling the lawn, do the job thoroughly so as to wet the ground several inches deep. This principle, indeed, is one which should be applied to all watering.	19 Privet and other hedges that are clipped, as well as evergreens that are trimmed for height or shape, may be pruned now while they are comparatively dormant.	20 Keep the birds' bath filled, especially if a drought comes. The contents evaporate rapidly in such weather, so say nothing of what the birds themselves spatter about.	21 Ornamental stock, woody as well as herbaceous can be transplanted if it is well soaked before lifting, reset quickly and firmly and thoroughly watered.
22 A piped irrigation system, either overhead or underground with outlets at intervals, is one of the best garden investments you can make. Several good ones are obtainable.	23 Strawflowers intended for winter bouquets ought to be cut before the blossoms are fully open. Dry them in the shade, hanging head downward in small, loose bunches.	24 Cuttings of various woody plants can be started in a shaded cold frame which can be covered with sash as cold weather comes. In most cases use ripe new wood.	25 It is well to go over all the cold-frame sashes and greenhouse glazing, replacing broken glass, putting and repainting. All should be finished ahead of time.	26 Thorough cultivation of the surface soil after every rain or watering will prevent caking and do much to conserve the moisture where it is needed in the region of the roots.	27 Deciduous trees that need only moderate pruning may receive it now. It is easier to gauge such work while the foliage is on than after it has fallen in the autumn.	28 The wise gardener who wants bulbs for fall planting orders them early. The stock of some species and varieties is limited and only the early comers can get them.
29 From now until the latter part of September is the time to divide and replant Iris. Do not put the Germanica type in manured soil, as this may lead to troublesome crown rot.	30 The Onion crop ought to be ready now for harvesting. After pulling, allow the bulbs to cure in the sun for several days before cutting off tops and storing in a dry cellar.	31 When the Peaches have been harvested it is an excellent plan to spray the trees with Bordeaux mixture as a precaution against the inroads of disease germs.	<i>Where the pools are bright and deep, Where the grey trout lies asleep, Up the river and over the lea, That's the way for Billy and me.</i>		<i>Where the blackbird sings the latest, Where the hawthorn blooms the sweetest, Where the nestlings chirp and flee, That's the way for Billy and me.</i>	

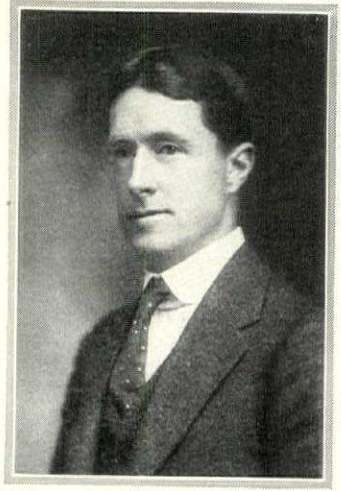
—JAMES HOGG



FRANK MILES DAY
One of America's leading landscapists, Mr. Day did much to stimulate public interest in the art through the living examples which came from his board



F. L. OLMSTED, JR.
Mr. Olmsted is one of America's prominent landscape architects whose work House & Garden has frequently shown during the past twenty-five years



ARTHUR A. SHURTLEFF
Mr. Shurtleff, a practicing landscape architect of Boston, has designed many attractive gardens some of which have been shown in House & Garden

PRINTANIER!

A soup made from the first tender young vegetables of the early spring!



In the summertime this beautifully clear soup of exquisite flavor is perhaps even more delightful when it is JELLIED!

You simply put the can on ice overnight and the soup becomes a dainty, amber-colored jelly—a charming delicacy.

Campbell's Printanier Soup is made with a rich chicken consomme blended with clear broth of beef. The carrots and white turnips are cut in small fancy shapes. Celery, peas, Savoy cabbage, parsley and a touch of leek add to its deliciousness.

For the formal luncheon or dinner and for many a summertime family meal, Printanier is a delightful selection.

12 cents a can

LOOK FOR THE RED-AND-WHITE LABEL



WITH THE MEAL OR AS A MEAL SOUP BELONGS IN THE DAILY DIET!

The
New, Easy
Electric Way
to Polish
Waxed Floors
and Linoleum
Quickly—

without Stooping,
Kneeling or even
Soiling Your Hands



OLD floors or new, of hard or soft wood, linoleum, tile or composition—whether originally finished with varnish, shellac, wax or paint—all take on new brightness and beauty with the Johnson Wax treatment.

All you do is to spread on a thin coat of Johnson's Polishing Wax with a Lambs-wool Mop. This cleans as it waxes. Then run the Johnson Electric Polisher over the floor and let ELECTRICITY do all the work many times better and quicker than old-fashioned hand methods.

JOHNSON'S WAX
Electric floor Polisher



ASK YOUR PAINTER

to wax your floors electrically with a Johnson Electric Floor Polisher. Then he can do them ALL in a short time.

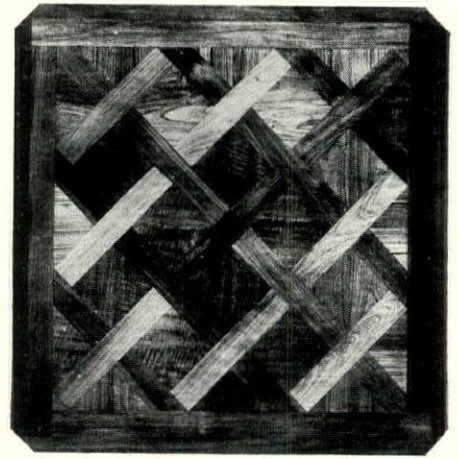
From your Neighborhood Store or your Painter you can rent this beauty-giving Electric Floor Polisher for \$2.00 a day. One day is enough for you to make every floor in your home a foundation of gleaming beauty on which your rugs and furniture will reveal new charm and value.

Telephone NOW and make an appointment to rent a Johnson's Wax Electric Floor Polisher for a day. Or buy one outright for your own exclusive use. The investment is small for so great a convenience. Ask your local merchant for a free demonstration. Or write us.

S. C. JOHNSON & SON, Dept. HG-8 Racine, Wis.
"The Floor Finishing Authorities"

Please send me Free and Postpaid your new 25c Book which tells just how to treat new and old floors of all kinds—soft and hard wood, linoleum, rubber, marble or tile.

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



The blocks in the parquetry design above are about thirty-eight inches square of alternating oak and walnut. Courtesy of William Earle

WHEN FLOORS ARE DECORATIVE

(Continued from page 51)

The illustration at the top of page 51 shows plain deck flooring, a type used so often in Colonial times and an excellent flooring for a house done in the early American style. This is a copy of a pattern used on the decks of ships and is made of wide and narrow boards laid at random. Some are as wide as ten and twelve inches

and others about six or eight inches. In olden times these boards were laid on a bed of cork and pitch to make them tight and waterproof and held together with wooden pegs. Today it is a common idea to have the wide planks screwed down and the screw tops plugged with wood. This keeps the planks from warping or splitting.

PLANNING FOR EQUIPMENT

(Continued from page 67)

home for the winter, it is well to consider them. If you have any of these task lighteners and they are not functioning correctly, have them repaired or replaced.

Is your kitchen as near perfection in its appointments as possible? Have you thought of the electric dishwasher and the work it saves? Is your refrigerator satisfactory? If you have one that must be iced, are you getting the maximum of service from it? Have you thought of electric refrigeration? If you ever have trouble with the disposal of waste, think about the incinerator which burns, without odor, all the waste products of your home. These incinerators come in many convenient sizes. Some are placed in the cellar and the waste materials are delivered by means of chutes from the rooms above. Smaller sizes may be placed in the kitchen or pantry and the waste may be put directly in them.

Consider the floor. Is it of the best type? Is it easily kept clean? If it is covered with linoleum, does it lie flat and evenly? Have you thought of which type of flooring or covering which would be more satisfactory? If you contemplate any changes now is the time to decide whether or not to make them.

Do your kitchen walls need repainting? If so, have you decided the best color to finish them in? Choose a color which is at once bright and cheerful but which you will not tire of seeing every day in the year.

Have you a sufficiency of brushes in the home? Brushes of every description are now on the market. Brushes for different purposes constantly appearing and are of great help in the housework. Preparation cloths for the cleaning and polishing of metals may be obtained. electric floor polishers and cleaners that are coming into use are of great assistance to the housewife.

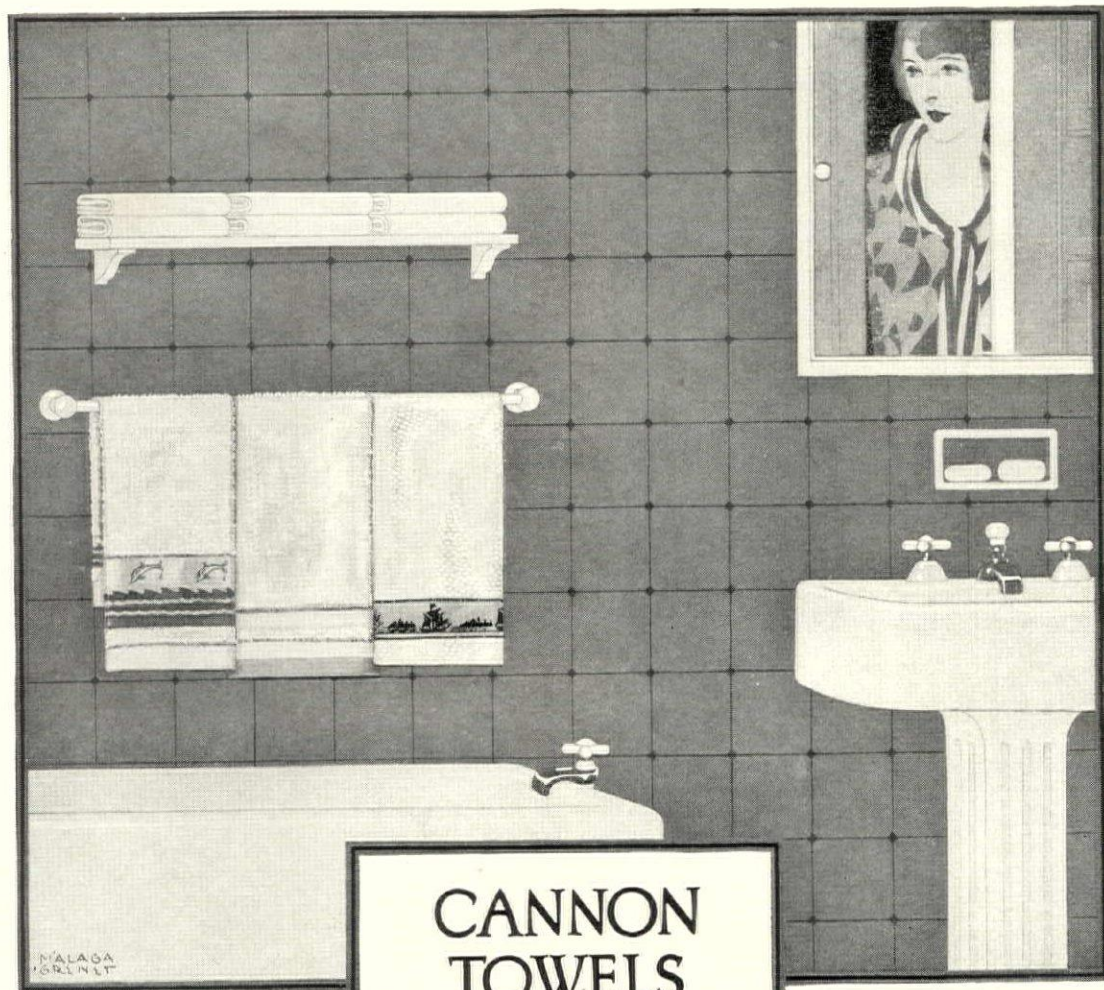
The question of the necessary pans and cutlery need not trouble you have in the past bought wisely well. When buying new equipment along this line think over the things you have used in the past. Have you used glass, aluminum, copper, iron, enamel or what variety? Are you content with the way the things you have used has performed its task: the ease of caring for it, cleaning it and the way it has worn? Work these questions in your mind decide what variety you will use in the future and then make out a list of the things you must have. If you have never used stainless steel, try vegetable and fruit knives of this metal. If you have never tried waterless pressure cookers, look into their possibilities in cooking.

It is always best to thoroughly investigate the different products which may answer your need in any type of new equipment before deciding just which variety is best suited to your purpose. This is true not only for household equipment but for any contemplated purchase.



“COMPANY” towels for every-day use

How you can have them



**CANNON
TOWELS**
Absorb quickly—Wear well—Cost less



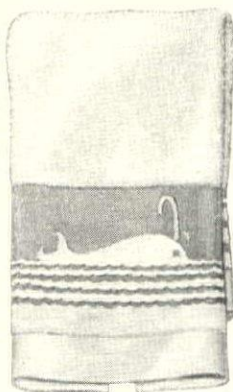
PEEP into the bathroom of the little house on the hill, and there you will see heaps of snowy towels. Towels that are beautiful to look at, soft and pleasant to touch, the kind some people think of as “company” towels, and which are carefully put away until guests come.

But the mistress of the little house has found “company” towels and every-day towels can be identical if she buys the Cannon brand. For Cannon towels, even the “company” type, come within the price she can afford to pay for towels for daily family use.

Millions of women have learned about the remarkable values offered in Cannon towels. They buy them in greater number than all other towels combined. More than half the towels sold in America today are made in the Cannon mills. This vast production means minimum manufacturing cost, and a minimum selling price.

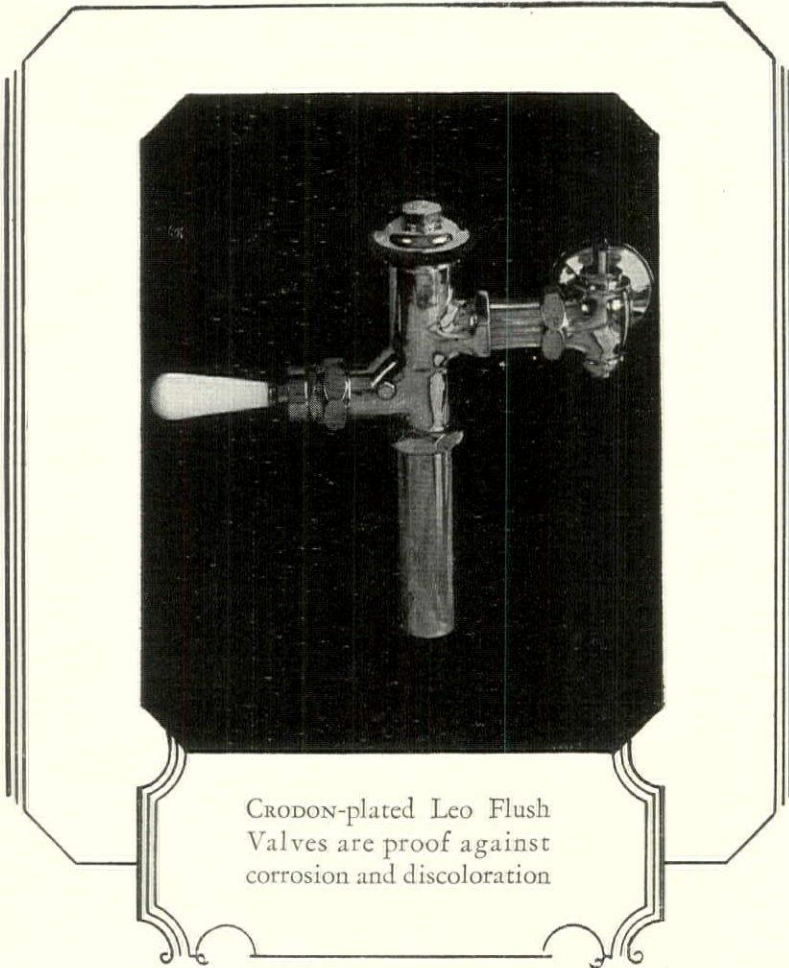
No matter what type of towel you want, you can buy it for less by selecting from the Cannon line. The hotels of America

know this. Most of them choose Cannon towels because they have found Cannon towels to be the best towel investment they can make—from the standpoint of first cost and durability too. Cannon towels come in almost unlimited variety. Great luxurious bath towels, gorgeously bordered or patterned in colors. Medium sized towels, not quite so heavy in weight. Little towels (also of turkish weave) which men like so well for shaving. And hosts of splendid huck towels for the hands and face. You can buy them singly or by the dozen at prices ranging from 25 cents to \$2.50 each. Sold only in dry goods and department stores. Cannon Mills, Inc., 70 Worth St., New York.



The new
“Blowing Whale” towel

All Cannon towels patterned or bordered in color may be washed and boiled as fearlessly as all white. They will not fade. Every towel is subjected to the severest test of color and proved absolutely fast before it leaves the mill.



CRODON-plated Leo Flush Valves are proof against corrosion and discoloration

Now You Can Have fixtures that never grow dingy

IN modern bathrooms and kitchens, rusty, discolored metal fixtures are an eyesore. Even in a new home corrosion begins to set in within a few weeks of the installation of the fixtures and constant polishing is required to keep them presentable. And in time the polishing wears through the finish, showing the brass beneath.

That is why women are insisting on fixtures and hardware with CRODON finish. Even in the salt atmosphere of the seashore CRODON stays permanently bright without polishing.

CRODON is a chrome alloy with an unusually beautiful,

mirror-like lustre. Applied by manufacturers as a surface coating to metal products of quality, it improves their appearance and makes them proof against rust or tarnish. It is so hard that it will outwear the usual finishes by many years.

CRODON is guaranteed to retain its lustre and color for 20 years from installation without using abrasives or polishing compounds.

A special illustrated booklet on CRODON for Plumbing Fixtures and Hardware will give you detailed information about this remarkable, permanent finish. The attached coupon will bring this booklet to you.



CRODON

The Chrome Alloy Plate Applied Only to Quality Products



CRODON-PLATED BUMPERS radiators, headlights or other accessories never need polishing. They never rust nor tarnish.

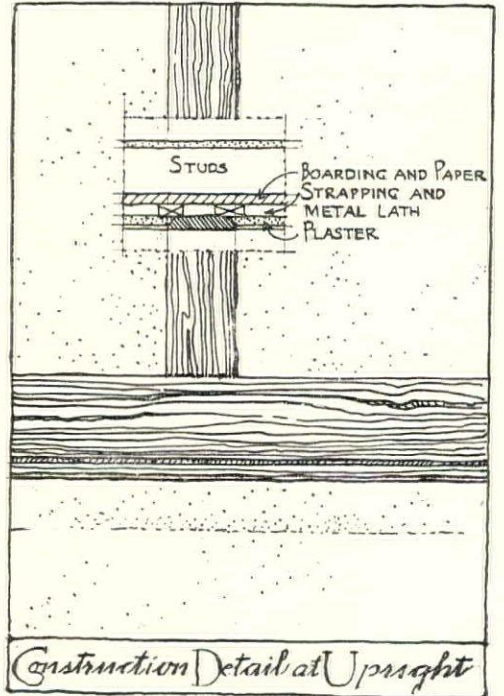
CHEMICAL TREATMENT CO., INC., 26 Broadway, New York City Dept. N-1

Gentlemen: Please send me your booklet "CRODON for Plumbing Fixtures and Hardware."

Name

Address

City State



Construction Detail at Upright
This cross-section of the wall shows how the Oak planks are applied to the outside of the structure

THE HALF-TIMBER HOUSE

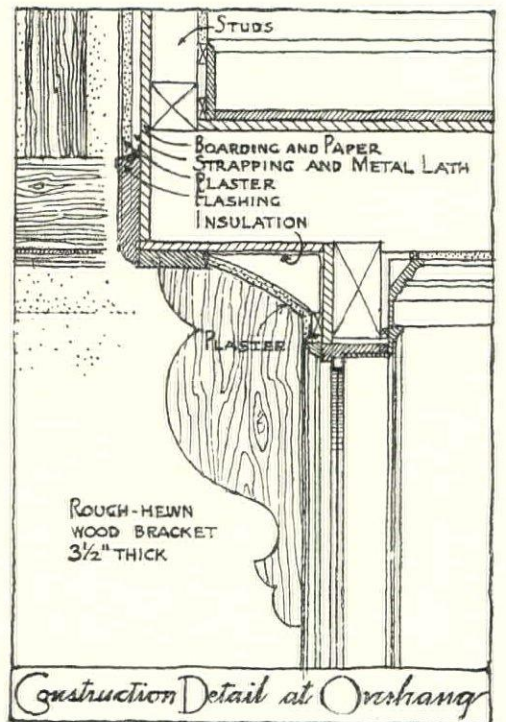
(Continued from page 79)

The garden side, because of the long sweep of the roofs, does not appear so tall as the front. Here the house sits comfortably on its site, its casements looking out over a pleasant informal garden which is screened from the service yard by a lattice fence.

Either bricks or heavy wooden timbers could be used for the window and door sills. The casements would be leaded glass. For the roof there is a choice between shingles and tiles—the latter is preferable if one really wants to simulate an English cottage. The half-timbering will be stained a rich brown so that it does not contrast too vividly with the white plaster of the

walls. Should shingles be used on roof, they too could be stained a brown. The tiles would be in various tones of red and should not be laid regularly.

With a house of this type it is desirable to attain the effect of age as soon as possible. Suitable shrubs be around the walls and occasional vines encouraged to clothe large bare faces should be set in place soon as the house is finished. The garden would be informal—a front lawn surrounded by shrubbery and with occasional pockets of perennials. To lend their shade could be moved if they are not already on the site.



Construction Detail at Overhang
Great care must be taken lest the dampness from the walls seep out into the Oak planks of the half-timbering

*New
Cadillac
surpassing all
previous
conception*



IN so far as the new, 90-degree, eight-cylinder Cadillac is concerned, discussion of mechanical supremacy is unnecessary and almost useless.

That supremacy proclaims itself unmistakably in performance as it has in every Cadillac which preceded the present splendidly successful car.

American lovers of fine motoring have always listened respectfully to assurances which promised an improvement upon Cadillac.



But they have never been lured away because it has always been so simple and so easy a thing to prove to themselves by

Cadillac performance that Cadillac has never been equaled.

Once again in the unprecedented sales of the new, 90-degree, eight-cylinder Cadillac we are witnessing that silent turning away—that return to something solid and assured and unmistakably superior which Cadillac has always provided.

In this case, however, Cadillac finds itself almost the only occupant of its own fine car field—and the old Cadillac clientele is being so enormously augmented by new accessions that the careful, painstaking capacities of this great plant are being taxed to the utmost.

The Cadillac market is growing—it will surpass all previous conception in the immediate future.

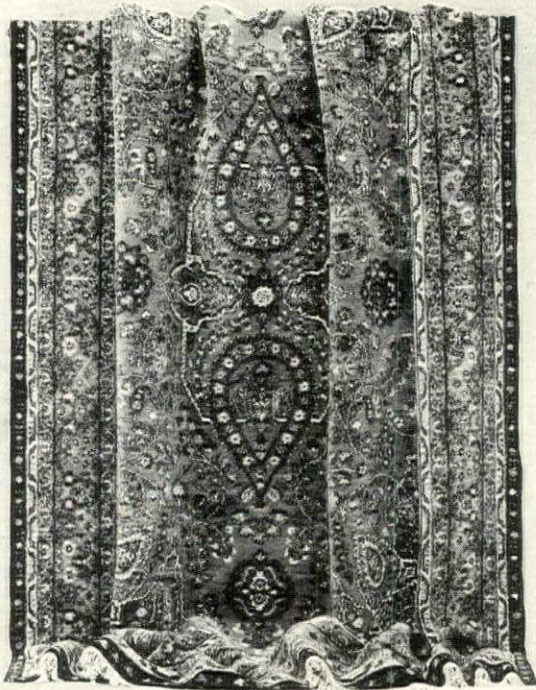
Priced from \$2995 upward, f. o. b. Detroit

NEW 90 DEGREE

CADILLAC

DIVISION OF GENERAL MOTORS CORPORATION





SAROUK REPRODUCTION

Which Will You Choose?

KIRMANS with backgrounds of dusky roses or midnight blues—Feraghans in deep, subdued colorings with restful all-over patterns—reproductions of an old Leila, soft ivory and blues with touches of rose—or the bold, distinguished Tabriz with richly red medallion—all these and many more to suit your own particular needs may be found in

BENGAL-ORIENTAL RUGS

Reproductions of the finest types of Persian rugs.

The wonder is that rugs so Oriental can be made by anyone but the Persians.

In spirit, in texture, in coloring, in design, the artistry of the Orient has been translated to a modern, seamless loom which weaves the finest wool from the Persian Gulf region into a fabric which can be fittingly associated with Oriental rugs or used as a substitute for them.

Price for 9x12 size does not exceed \$175 in any part of the United States.

JAMES M. SHOEMAKER CO., INC.

119 WEST 40TH STREET, NEW YORK

A Consulting Decorative Service Without Charge. Mail the coupon with full details and we will send you color plates and information as to sizes and prices.

Please send me color plates of rugs for

- Living room, size
- Dining room, size
- Bed room, size
- Hall, size
- "Backgrounds of Oriental Beauty" by Alice Van Leer Carrick.

Name.....

Street.....

City..... State.....

My dealer's name is.....

*Mail this coupon to Consulting Decorative Department
THE HOUSE OF SHOEMAKER, 119 W. 40th St., New York*



Plume Retinisporas (C. pisifera plumosa) are of dense, conical habit and, when seen in detail, distinctly plume-like in the effect of their ascending branches and feathery branchlets

EVERGREENS from EAST and WEST

(Continued from page 60)

select for themselves. Forms of narrow-pyramidal, columnar and globose shapes are found among both Arborvitae and Retinispora and so, too, are forms with bluish gray foliage and yellow and white variegations. In both types forms with hanging whip-like branchlets occur and they have other features in common, but each group has peculiarities of its own. Perhaps the greatest difference is seen in winter when the Arborvitae turn a yellowish brown but Retinisporas change color scarcely if at all. This changing to yellow-brown in winter is not due in any way to disease but is a natural characteristic; the plants de-

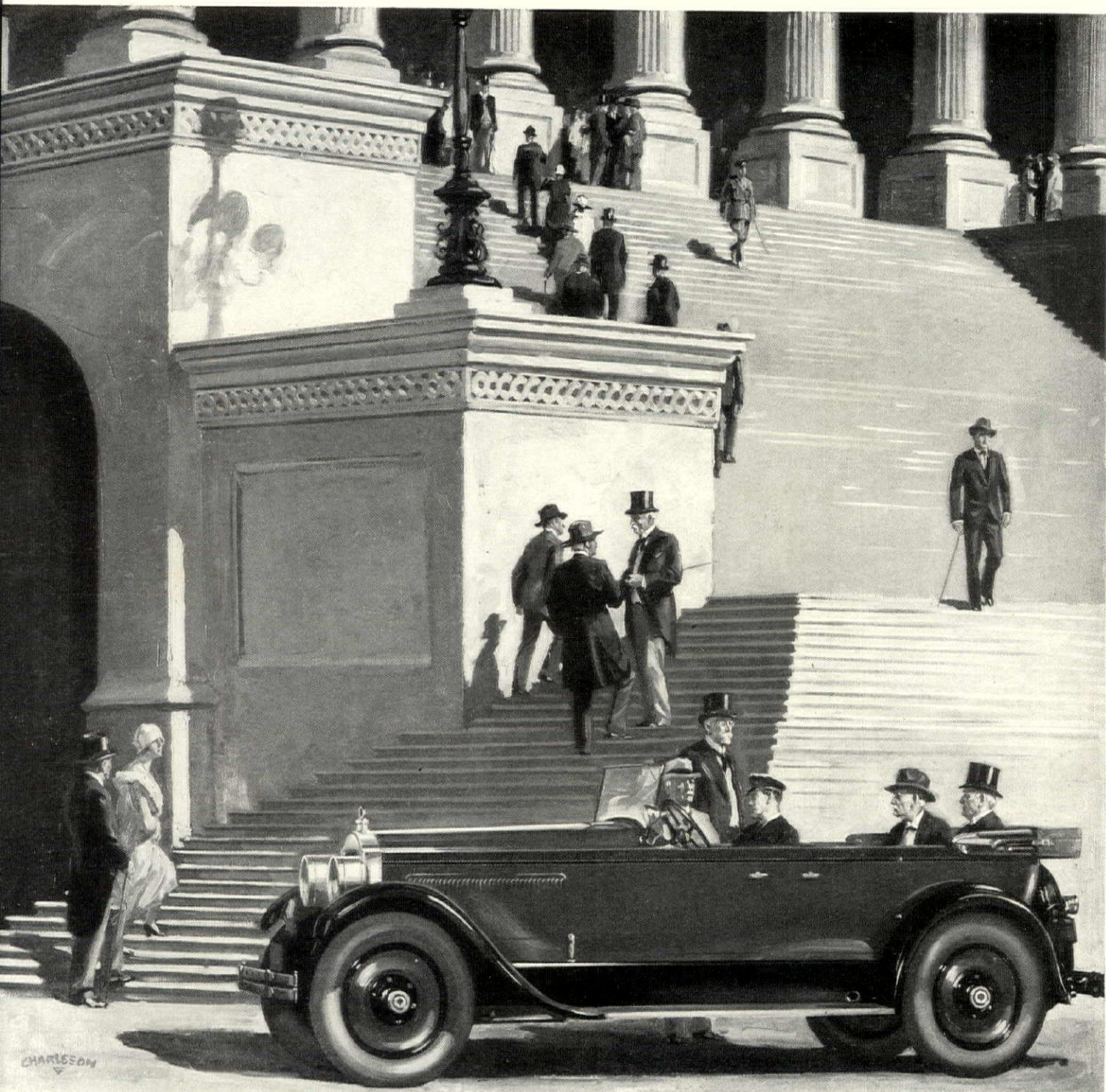
velop a protective pigment that in the green coloring matter during cold season.

For the colder parts of this country forms of the American Arborvitae (*Thuja occidentalis*) are very satisfactory and there are abundant varieties to choose from. The type itself is narrow, more or less columnar tree with slow growth, compact in habit with bright green foliage from spring to fall. At maturity it sometimes grows as tall as 80 feet, and should therefore be planted at a distance from house. Of much less height and denser habit is the variety *robusta*.

(Continued on page 102)



One of Mr. Wilson's many worthy contributions to American gardens is the Korean Arborvitae which he introduced in 1917. This form makes a pleasant tangle of greenery under other trees—a valuable characteristic



*Serving America's
Aristocracy*

America has its aristocracy of intelligence and culture, of achievement and wealth, of taste and talent. Every community has its leaders of thought and action. And historic Washington—drawing its leaders from every section of the Union—is representative of the aristocracy of them all.

There in the world's greatest capital it is natural to find Packard cars honored by marked preferment—now as for a generation past. That five of the distinguished jurists of the United States Supreme Court own Packard cars is but an indication of this preference among those whose taste and judgment is unquestioned.

The list of cabinet members, senators, ambassadors and congressional leaders who consistently favor Packard with their patronage reads like the roster of an American peerage. Packard could cite no stronger credentials.

P A C K A R D

S K T H E M A N W H O O W N S O N E

EVERGREENS from EAST and WEST

(Continued from page 100)

more generally known as *sibirica*, *tatarica*, *caucasica* and *wareana*. This, the so-called Siberian Arborvitae, is the most desirable of the narrow-pyramidal or columnar forms with wholly green foliage. Extremely hardy, it is invaluable as a relief in foundation planting and is splendid for making hedges. It has stouter branchlets than the type, and for gardens in cold parts of this country there is no more useful or reliable evergreen of pyramidal habit and moderate height.

Another excellent green form but taller growing is var. *fastigiata*, the Pyramidal Arborvitae which is sold by many nurserymen under the name of *columnaris*. Very distinct is Douglas' Pyramidal Arborvitae (var. *douglasii pyramidalis*) of dense pyramidal form with short, copiously divided fern-like branchlets crested at the ends. Another excellent sort is var. *buchananii*, a graceful columnar tree of moderate height with slender branches, rather distantly placed and irregularly arranged thin branchlets.

Of forms distinguished by their color there are many with yellow and white variegation which are well worthy of a place in the garden. Two of the best, with white coloring, are *alba*, better known as Queen Victoria, and *argentea*, both of pyramidal habit and medium height. In *alba* the tips of the branchlets only are white, whereas, in the other, whole branchlets are silvery white. Another good sort is var. *Columbia* of stronger habit, broader foliage and beautiful silvery variegation. With yellow variegations, var. *lutea*, the George Peabody Arborvitae, is good, being pyramidal in form and having bright yellow foliage. So, too, is var. *lutescens* which is a form of the var. *robusta* with bright to deep yellow foliage. Other good yellow sorts are *vervaeneana douglasii aurea*, *semperaurea* and *aureo-variegata*.

ODD VARIETIES

A curious bush form with long, slender, sparingly ramified branches nodding at the tips and clothed with sharp-pointed leaves is var. *filiformis*. Somewhat similar but with two types of leaves is *ohlendorffi*, better known as *spæthii*. Another oddity is *spiralis* which has compact upright branches and close-set short branchlets more or less spirally arranged. The most pronounced weeping form is var. *pendula* with branches bending downward and rather tufted branchlets.

Old favorites of globose habit are Little Gem, *woodwardii*, *globosa*, *compacta* and *umbraculifera*, which are dense masses of growth broader than high. An odd form is *elkvaengeriana*, the Tom Thumb Arborvitae, a low, broad pyramid set with slender branches and clothed with two forms of leaves. Lastly mention may be made of var. *ericoides*, the Heath Retinispora of nurserymen. This is a dwarf, globose or broad pyramidal form with slender branchlets clothed with needle-shaped, soft, spreading leaves, dull green above and grayish green beneath.

The above by no means exhausts the list, for more than fifty forms of the American Arborvitae have received names. Among these are varieties suitable for nearly every situation in a

northern garden and it is the form of this plant that in their class are most all-round useful for the garden. New England, northern New York and lower Canada. They lend themselves to such a variety of purposes that rank as indispensable in garden-making.

Less hardy but more flexible in constitution is the Oriental Arborvitae (*T. orientalis*) which also exhibits wide variation in form. Scarce and hardy in Massachusetts, it thrives in Rochester, New York, and in places farther west where the winter temperatures are not subject to rapid fluctuation. In Florida and California it ranks among the indispensable evergreens. The amount of heat this can stand is remarkable. I have seen it in the gardens of the Taj Mahal in India looking as happy and cheerful as in its native land of China.

A LONG-LIVED EVERGREEN

As a young tree, and one hundred years is still youth with this long-lived evergreen, it is distinguished by its broad, columnar habit, spreading, ascending branches and vertical branchlets forming flattened spears of bright green. It has given rise to very many forms similar in character those of the American Arborvitae. There are white and low variegated forms, dwarf forms, narrow, erect forms and others of weeping habit. Among the best are *aurea*, *semperaurea*, *stricta*, *elephantissima* and *flagelliformis*, sufficiently described by their names. A globe compact, bright green form of growth is var. *sieboldii*. Another variety, *meldensis*, is a more or less columnar plant with needle-shaped bright green leaves and quaint appearance. In China this Arborvitae has been cultivated from very early times and its fruit, the leaves and the inner bark all have medicinal uses. In former times the tree distinguished the gardens of princes and sheltered the tombs of emperors, and today it is most commonly met with in gardens and public grounds. Throughout the New World at festivities, sprays of this fragrant evergreen are used to symbolize long happiness and prosperity.

From these trees of freakish habit let us turn for a moment to one of more stable character which will serve to be better known in gardens. The noblest of all Arborvitae is *Thuja plicata*, or *T. gigantea* as often called, the Giant Arborvitae of western North America where in the valley of the Columbia River it grows as high as 200 feet with a trunk of branches for fully 100 feet. It is widely distributed in the West and crosses the Rocky Mountains of Montana, for which we in New England should be grateful since this given us a hardy race. The Pacific Coast form is useless here but that from Idaho and Montana is perfectly happy in the Arnold Arboretum. In youth this is of columnar habit with short spreading branches, close set and much divided at the extremities; branchlets are slender, often zigzag and curved. The leaves are lustreless, dense and appressed, yellowish green on the exposed side and much darker

(Continued on page 106)



Your Luncheon Complete as You Enter

Furniture Shops Tea Tables are so designed that, with the leaves raised and top and shelves bearing tea set and dainties, they will go through a 30 inch door. Your luncheon requirements are complete as you roll the table into the room where you are entertaining.

Old style tea wagons will not permit this, as they cannot be moved sideways—a drawback sensed by Furniture Shops designers and which they set out to correct.

They succeeded, yet provided ample size in the new styles. With the leaves raised, a Furniture Shops Tea Table is nearly four feet long—large enough for half a dozen guests at luncheon or supper.

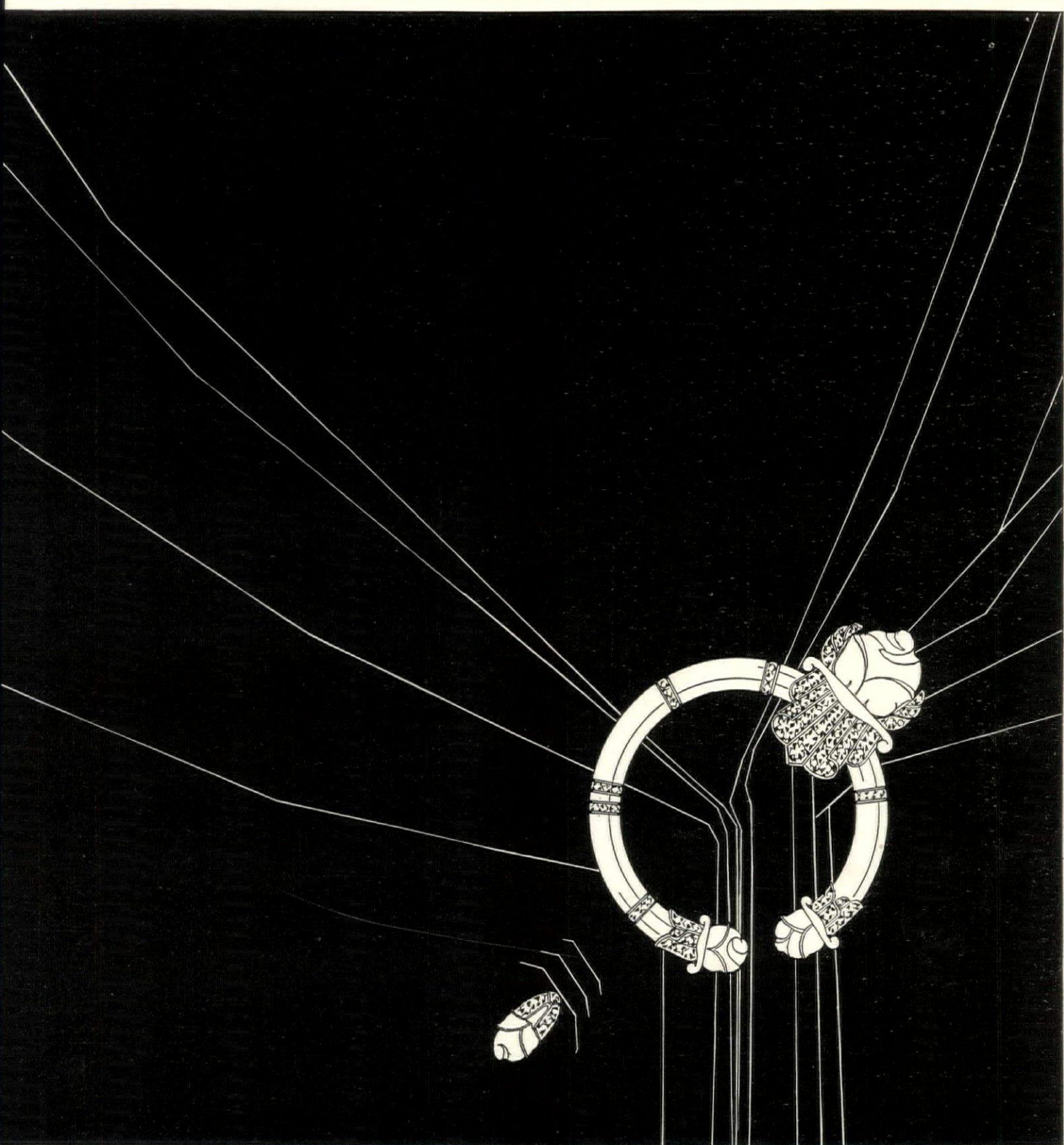
The Tea Table shown here is No. 1670, particularly substantial and suited to its uses, yet of a very pleasing design.

Furniture Shops Tea Tables have many other advantages over the awkward high wheeled kind. Our Tea Table booklet tells all about them. Write for your free copy.

The Furniture Shops

Division of The Luce Furniture Shops

840 MONROE AVE. GRAND RAPIDS, MICH.



BLACK * STARR & FROST

This dress ornament is a circle of oxblood coral with a decorative motif in diamonds. At either end of the pin are carved rosebuds of black onyx. This piece may be used to gather a gown at the side.

JEWELERS FOR 116 YEARS

FIFTH AVENUE, CORNER 48TH STREET · NEW YORK

PARIS · PALM BEACH · SOUTHAMPTON

Opening A New Chapter in Wall Covering—

An Old Favorite—

FAB-RIK-O-NA

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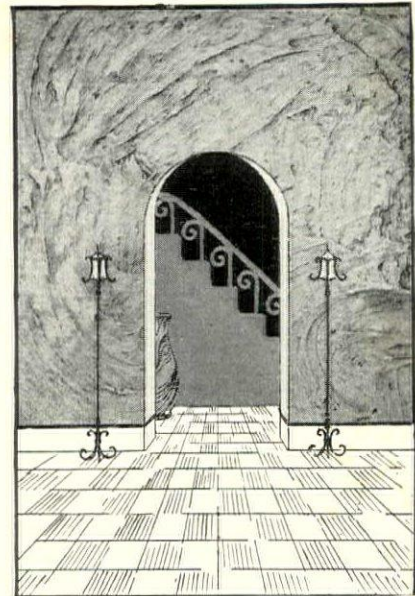
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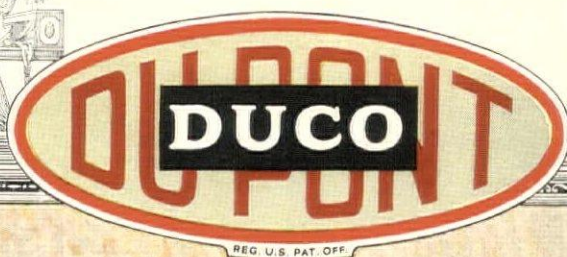
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Again, a charming grandmother alights from her car with a tiny package. "Will you have it cleaned, please?" "It" is an emerald ring of enormous value. . . . No receipt. No memorandum. Day after day, many such evidences of regard are given to Marcus & Company by their patrons. Gestures of confidence, priceless gestures. For the business value of this confidence is so great that Marcus & Company rate it among the first of their assets.

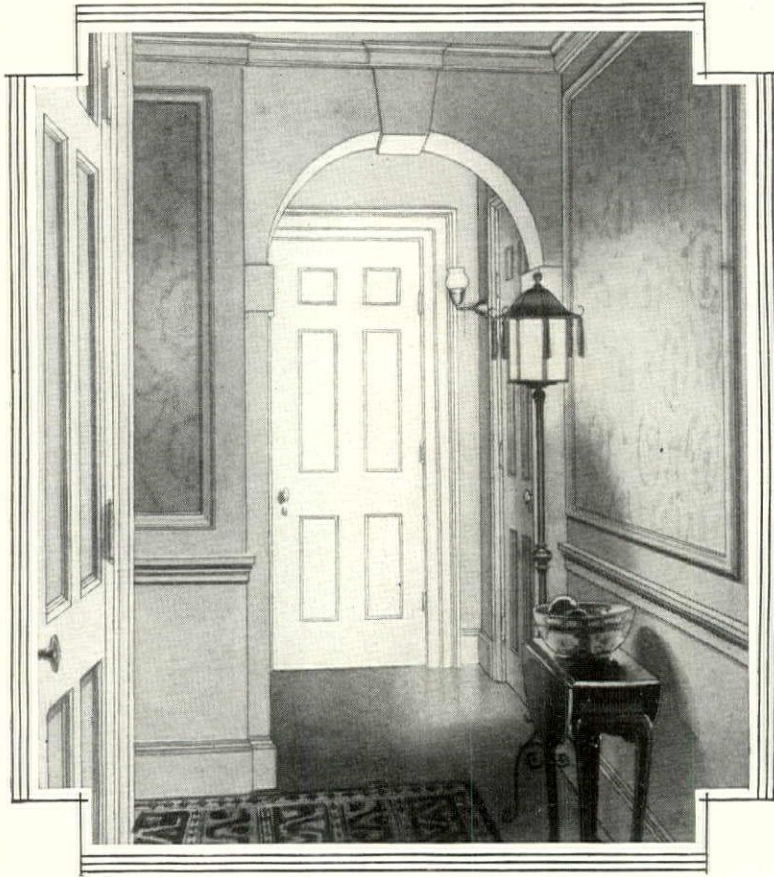
In many celebrated families, this

confidence in the integrity of Marcus & Company has been passed from grandmother to daughter, to granddaughter. It extends to the farthest cousins and to remote branches on both sides. "This is where Grandmother's pearls came from"; "This is where Barbara got her square emerald"; "This is where Aunt Phoebe bought Anne's wedding present"—these are remarks heard during many transactions . . . and they mean that fifty years of integrity are paying their dividends . . . that a half century of fair dealing is making its inevitable return.

Strings of pearls from \$200,000 to \$200. A large selection of loose pearls to add to necklaces, priced from \$20,000 to \$10. A choice of many exclusive and unusual settings of diamonds, rubies, emeralds and sapphires in a wide range of prices.

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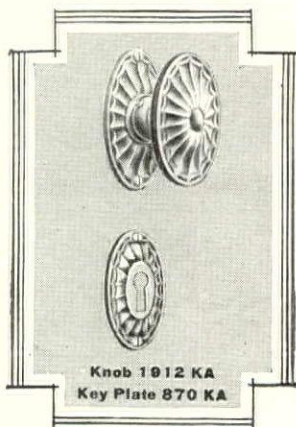
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SARGENT
LOCKS AND HARDWARE



EVERGREENS from EAST and WEST

(Continued from page 102)

on the other. There is a quality about this evergreen that attracts at a glance and gives it distinction. The inland race of this tree has been growing in the Arnold Arboretum since 1880 and has never suffered winter injury and, moreover, through the winter it retains its rich green lustrous hue. Nurserymen are now propagating it and those in quest of the very best tall Arborvitae should plant *T. plicata*.

The Japanese Arborvitae (*T. standishii*) is a perfectly hardy and beautiful evergreen but, alas, scarcely obtainable in this country. It is of broad pyramidal habit with spreading and somewhat ascending branches and its bright green foliage marked on the lower surface with white does not change in the winter. Though introduced in 1861 it is still very rarely found in cultivation.

THE KOREAN ARBORVITAE

A newcomer is the Korean Arborvitae (*T. koreana*) which I sent to the Arnold Arboretum in 1917. This varies in habit from a low ground-cover to a slender tree 30 feet tall. It makes a lovely low tangle of green under the shade of other trees and herein lies its usefulness to gardens. Its habits are similar to those of the Canadian Yew (*Taxus canadensis*), loving moist rocks and the margins of woodland streams. Its branches when growing freely suggest Fern fronds and the under side of the leaves are marked with white. I am glad to say that this waif from the Hermit Kingdom has taken kindly to America's climate and promises to be a useful addition to our gardens.

The Retinisporas, compared with the Arborvitae, are comparatively newcomers to western gardens. We owe our earliest varieties to Dr. George R. Hall who sent them here from Japan in 1861; in the same year John Gould Veitch introduced them into England. Their beauty won them friends from the day they were first seen and their popularity has increased ever since. And rightly so, for they are among the most hardy and beautiful as well as the most diversified of evergreen plants. For this heritage we have to thank the Japanese with whom they have been favorites for centuries. With a keen eye for differences in form and habit, the Japanese have garnered a host of forms of these Retinisporas the best of which are now familiar plants in western gardens. The parent species (*Chamaecyparis obtusa* and *C. pisifera*) are among the loftiest trees of the forests of Japan and furnish timber of great value. Both species are highly ornamental and perfectly hardy in New England and are most desirable evergreen trees. Since they grow to be fully 150 feet tall they should be given plenty of room. The species are not plants to use for foundation plantings although among their offspring are found some of the most desirable and most useful for this type of work. Though they grow taller than the globose forms and broader than the pyramidal forms of the American Arborvitae, they are really superior as garden features. They possess more grace and more character and are richer in decorative

qualities. Winter does not dull the beauty of their coloring and in every season of the year they are good to look upon. They bear well and will live on little pots for which Japan is famous. These Retinisporas attain considerable size they do lose in quality of foliage but for fifty years they may be counted reliable in every way, yielding in beauty of appearance to a few of the lesser evergreens. The varieties are very numerous and it is no intention to mention all but to select the more characteristic.

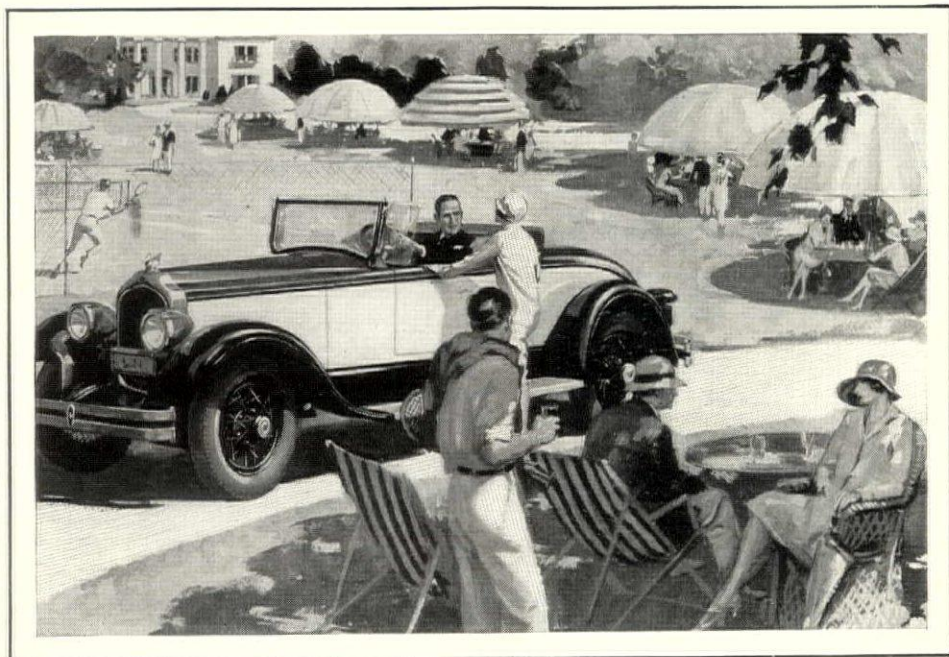
My own favorite dwarf Cor. *Chamaecyparis obtusa* var. *nana* every inch an aristocrat is this pyramidal of dark green with its flat, short, spreading branches and crest-like branches. Slow of growth and distinct in appearance, it has won for itself a most place in gardens where the rules. A sport from it known as *pygmaea* is exceedingly dwarf and almost creeping branches and is for rockeries.

Taller growing forms are *spicata*, *aurea*, *gracilis*, *gracilis erecta* and *magnifica* whose names describe them. And very beautiful is *crippsii* with pale yellow foliage, loose, graceful, pyramidal habit.

The other species (*C. pisifera*) given rise to even more forms. Some and distinct is var. *plumosa* dense conical habit, ascending branches and slender feather-like branches. *plumosa* has spreading awl-shaped leaves and a whole character of the plant is very like. There are pleasing forms of *Plume Retinispora* with silver foliage (*gentea*), yellow (*aurea*) and silver color (*flavescens*) tipped branches. A remarkably distinct variety is *rosa*, the Moss Retinispora, a plant of good size with spreading feathery branches and silvery leaves, narrow and spreading. The whole plant suggests from a distance a gray billowy cloud. A form with yellow foliage is known as *squarrosa sulphurea*. A great favorite is the lovely var. *filifera* with pendent thread-like branches, slender and elongated. A sport with yellow foliage is var. *filifera aurea*. Both forms are conical or hummock like, broader than tall. All these Japanese Retinisporas are almost if not as hardy as the American Arborvitae and throughout the winter give color effects.

LAWSON'S CYPRESSES

Where the Lawson Cypress (*Chamaecyparis lawsoniana*) can be grown which is in places warmer than New England, a wealth of forms are available. The type is native of California and northern California where it grows 200 feet tall, but there are forms of all sizes down to a few feet. They are variously variegated with white, yellow and some are blue-green. Some are columnar, others are spreading and compact and some have pendent branchlets. In all more than a dozen forms have received names. Some branches are bright to grayish green and more or less plumose in winter. There is an elegance about them that is both appealing and characteristic.



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Those who possess Chrysler Imperial "80", those who have experienced its superb performance are unanimous in acclaiming it the finest of fine cars.

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New low prices giving savings of \$100 to \$400—Eight body styles priced from \$2495 to \$3595 f. o. b. Detroit.

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J. B. Barnes, Architect

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ORCHARDS AS THEY OUGHT TO

(Continued from page 87)

ten to twenty years; Plums and sour Cherries, fifteen to thirty; Pears, twenty-five to fifty; sweet Cherries, forty to seventy-five; Apples, fifty to one hundred. So an orchard is a fairly permanent investment and therefore worth laying out well and managing properly.

The varieties listed below are suggested because each is of high quality, because each group will cover a long season, and because they are rather widely listed by nurserymen. Other equally good or even better kinds might be mentioned, but since few nurserymen carry them there will be difficulty in getting them.

VARIETIES OF FRUIT

Apples. August: Red Astrachan, Yellow Transparent, Early Harvest, Williams Red, Early Strawberry. September: Gravenstein, Chenango, Sweet Bough, Oldenburg (Duchess). October: Smokehouse, Fall Pippin, Fameuse, Hubbardston, McIntosh. November: Delicious, Jonathan, Grimes, Tompkins King, Wagener. December to February: Sutton, Northern Spy, Esopus Spitzenburg, Winter Banana, Peck Pleasant. March to May: Roxbury, Golden Russet, Stark, Winesap, Newtown.

Pears. August: Wilder, Clapp, Bartlett. September: Flemish Beauty, Worden-Seckel. October: Sheldon, Seckel, Vermont Beauty, Angouleme (Duchess). November: Anjou, Lawrence, Howell, Bosc.

Peaches. Late July: Greensboro, Nectar. Early August: Carman, Rochester. Mid-August: Hiley, Champion, Mountain Rose. Late August: Belle of Georgia, Ray, Oldmixon, Crawford Early, Reeves, Niagara. Early September: Elberta, Stump, Frances, Foster, Crawford Late. Mid-September or later: Iron Mountain, Stevens, Smock, Salwey, Heath Cling, Chairs' Choice.

Desert Plums. August: Imperial Gage, Yellow Gage. September: Reine Claude, Yellow Egg.

Jam and Canning Plums. August: Red June, Abundance, Burbank (these three Japanese), Beauty of Naples, Bradshaw. September: Italian Prune (or Fellemberg), French Prune, Grand Juke, Shropshire Damson, Satsuma, Wickson (last two Japanese).

Cherries, Sweet. Late June: Black Tartarian, May Duke, Governor Wood. Early July: Napoleon, Yellow Spanish. Mid-July: Windsor, Schmidt.

Cherries, Sour. Mid-June: Dye-house. Late June: Early Richmond. Early July: Montmorency. Late July: English Morello.

Apricot. Early: Harris. Mid-season: Moorpark, Peach. Late: Alexander, Alexis.

Quince. Champion, Orange.

The earlier an order can be placed for nursery stock the better the chance of having it filled. Trees, shrubs and vines are not like manufactured articles. None of them takes less than a year to attain salable size; many require two and three years, and some (among ornamentals) four to eight or ten. So when a variety has been sold out, buyers must wait at least one year before having their desire for it sup-

plied. Nurserymen generally have ample supplies of staple varieties because commercial planters demand them in quantity; but they rarely have more than a limited number of finer kinds—most of those listed. If we intend planting next fall the following spring we will plant in order during the summer at the best. One of the strongest points in favor of fall planting is that we are much more certain to get the varieties we want in spring.

Immediately upon their arrival we will unpack and separate the trees, sorting them according to their size. Next we will cut back all main and broken branches and roots, leaving each as long as possible. If the trees seem dry or shriveled, as they usually are when received in spring, we will either plunge them, tops and roots, in a pond or a stream for a week or two, or lay them horizontally in a trench and bury them with wet soil for a week or two. Either plan will give them a better chance to grow than if they are planted in dry or shriveled condition. Stock received in the fall is seldom either dry or shriveled but it is always freshly dug.

After the removal of broken branches and twigs we will heel in the trees until everything is ready for planting. Spring heeling consists in stacking the trees singly in a trench and covering their roots in the part of the trunks with about six inches of earth tramped firmly around them to eliminate air spaces and conserve moisture. If the soil is dry it should be thoroughly soaked. Stock heeled during March may be kept in this condition for several weeks, but the sooner it is planted the better. It must be held more than two weeks in heeling in had best be done in a damp cellar or basement. In the handling of stock it is also advisable to keep the roots protected from frost and wind. A barrel about a third full of water and hauled on a stone or a wagon is a convenient way to carry the trees to their places in the orchard. If only a few trees are to be planted their roots may be wrapped in abundant wet burlap and kept covered while being carried from the nursery to place.

ORCHARD LAND

As the orchard is to be a permanent investment we will place it on our most available land. If possible this should have been in cultivation at least one season before being planted in an orchard, as trees do much better on old land than on newly plowed raw land. Many orchardists content themselves with the growing of a crop of Potatoes, Corn or other tilled crop on a table that will be harvested not later than mid-September will put raw land in such good condition that the first of one season will be more than made up by the superior growth of the second whether planted in the fall or the following spring.

The easiest way to get tree stock straight and the trees uniformly sized is as follows:

(Continued on page 110)



Such a lucky little lady

Happy little hands reach out in ecstasy . . . big brown eyes, enraptured, open wide . . . round little mouths gasp "Oh-o-o-o!"

That our precious ones may know beauty from babyhood let all our gifts be beautiful, valuable, useful forever—treasures of genuine Sterling Silver; nothing less. No finer gifts can be given or received than gifts of Sterling. They are exquisite—they are real—marked "Sterling" because solid silver through and through. True indications of good taste—possessions worthy of lasting appreciation.

STERLING SILVERSMITHS GUILD OF AMERICA
20 West 47th Street, New York City

Major Israel Foster, famous patriot of 1812, in giving this Sterling Silver Porringer to his baby daughter knew that early association with beautiful things is the very foundation of good taste. As in 1812 so in 1926 Sterling remains the epitome of all things beautiful and fine. Such Sterling awaits you at your jeweler's.



Sterling Silver looks like nothing but itself. Through and through it is but one metal—solid silver—therefore marked "STERLING".

It is Sterling
~more can not be said

ORCHARDS AS THEY OUGHT TO

(Continued from page 108)

1. Establish a base line along the longest side of the field, at any desired distance from the margin—say, ten feet. This margin is for the tools to turn in. 2. Place a stake the same distance from the end of this line. This is the position of the first tree. 3. Use this as a starting point and place stakes along the line at twenty foot intervals—the distance between trees. 4. Start again at the first stake, measure off eight feet on the base line and place a temporary stake. 5. Again start at the first stake and guess at making a right angle with a line eight feet long starting toward the other side of the field. 6. Now go to the first temporary stake on the base line and measure ten feet toward the other temporary stake (on the second line). 7. Move this second temporary stake until it is exactly ten feet from the first temporary stake and eight from the first tree stake. The line drawn through this point will form a right angle with the first base line. 8. With this angle established, extend the new line to the other side of the field. 9. For planting small areas these two lines will be sufficient; for large ones most planters make lines on the other two sides and follow a "sighting" method for placing the trees. 10. Measure off and place tree stakes at each twenty feet on the second line. 11. Use two light chains or stout wires twenty feet long, placing the end of each at the second tree stakes, in each of the two lines, and extend each wire until parallel with the other side. The free ends will then meet where the next stake is to be set in the second row of trees. The four stakes thus placed will form a square. 12. Move the end of one wire to the third stake in the base line, the end of the other to the stake last placed, and extend the wires as before to place the next stake. Continue this method until all the stakes are placed. When carefully done the rows will be straight and the trees evenly spaced. A man and two boys will work this plan better than one, or even two men.

and the subsoil in another, so that filling the hole the good soil may be thrown in first thus giving the the best possible chance of making good start. The subsoil being put on top will reduce trouble caused by weeds. Under no conditions will we place any manure in the holes for fear it will burn the trees. The only safe fertilizers to use in contact with the roots are the chemicals such as ground bone, blood, and tankage. Another caution: Not until the trees are planted will we do any pruning of the tops except as noted above for broken twigs. Should it be done previously we may accidentally break off the twigs or we want to retain.

CULTIVATION

During the growing season we keep the land cleanly cultivated between the trees or at least for a four or five feet in diameter around each. If we cultivate the whole orchard (which is the best practice) we cease tillage between July first and fifteenth and sow Rye and clover as a cover crop, but preferably immediately after the last cultivation. Clean cultivation until midsummer will insure conditions that will insure the best development and will also reduce the danger of damage by borers which are always more destructive to weeds and grass grow around the trunks and thus form shelters where they do their deadly work. Peach trees are killed by borers by all other causes put together. It is up to us to protect our investment in the prevention of at least some damage as already noted and control of the balance by digging the borers out before they have gone too far.

Plant lice or aphids, which will probably appear during May, do damage by sucking the sap from young shoots and leaves. To either as an extract or a dust is specific. Destruction of these lice mean stronger trees than if they were allowed free rein.

Tent caterpillars are not likely to do any damage the first year should be looked for in after years. Other caterpillars may give trouble here and there during the spring and summer, but they are destroyed with arsenate of lead. Directions for applying these insecticides are given on the packages.

DIGGING AND FILLING

In all planting it is advisable to make the holes large enough to get both feet in so as to pack the earth firmly about the roots. Also it is best to throw the good, top soil in one pile



Residence, Montclair, N. J.
R. I. Markwith, Architect

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We shall be pleased to send you upon request a copy of our illustrated booklet, which fully describes Tudor Stone for Flagging and Roofs.

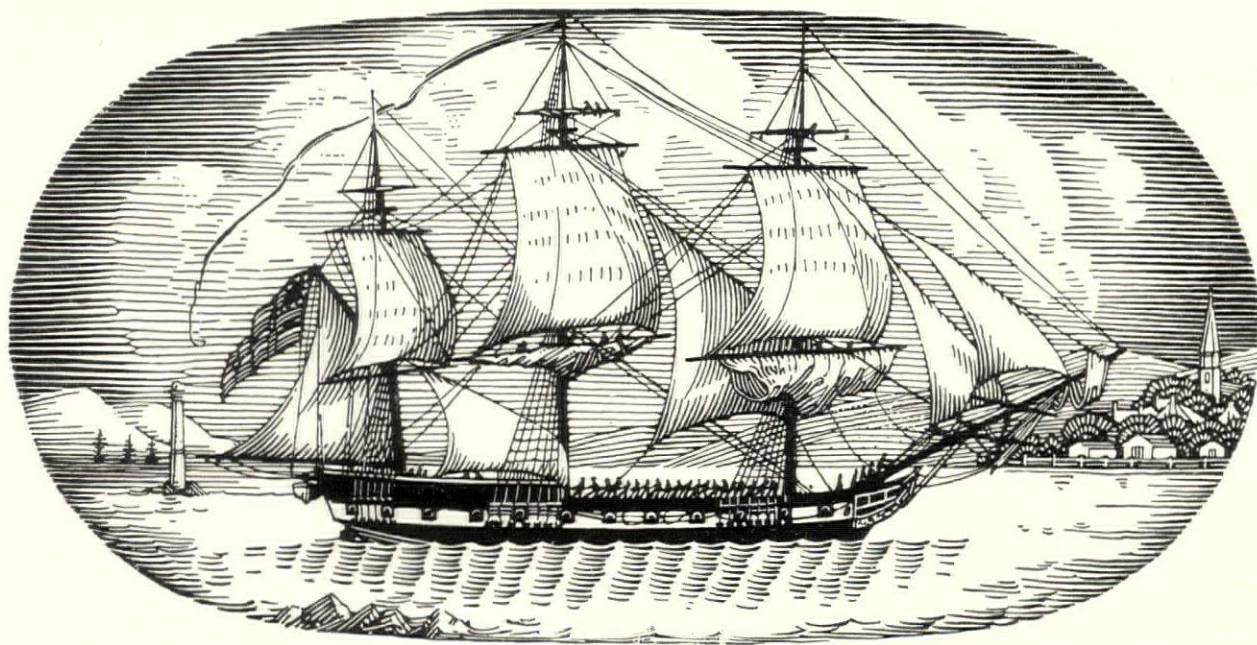
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BOSTON PHILADELPHIA CHICAGO



**PATTERNED AFTER THE WALLPAPER OF AN OLD
NEW ENGLAND SEAPORT HOUSE**

This chintz has the quiet charm of things old

ERCHED high upon a rocky cliff over the safe, well-known harbor of Marblehead in Massachusetts Bay, an old house stands, beaten silver gray by the winds and sun and salt air.

There dwelt in days gone by, sea-faring men of the stern, Godfearing sort who made their name by England's sturdy history.

Your new interest in the early days of this oldest part of our country, has completely disproved our long-held theory that theirs was a rigorous existence barren of all beauty.

FROM so seemingly prosaic a source as the wallpaper in the parlor of this old Marblehead farmhouse came the design for the quaint chintz shown here.

All its old-fashioned charm has been preserved, not only in the pat-

tern but also in the colorings in which it may be had — dull green or blue or buff or mauve or salmon.

With the interesting and charming interiors planned today along the lines of 17th and 18th Century America, this chintz is delightful.

It may be used on an old wing chair, as suggested in the illustration. Or for drap-

eries, for window shades, for slip covers.

Many other delightful chintzes, both domestic and imported, are included in Schumacher fabrics, in addition to their distinguished line of prints, damasks, velvets and brocades.

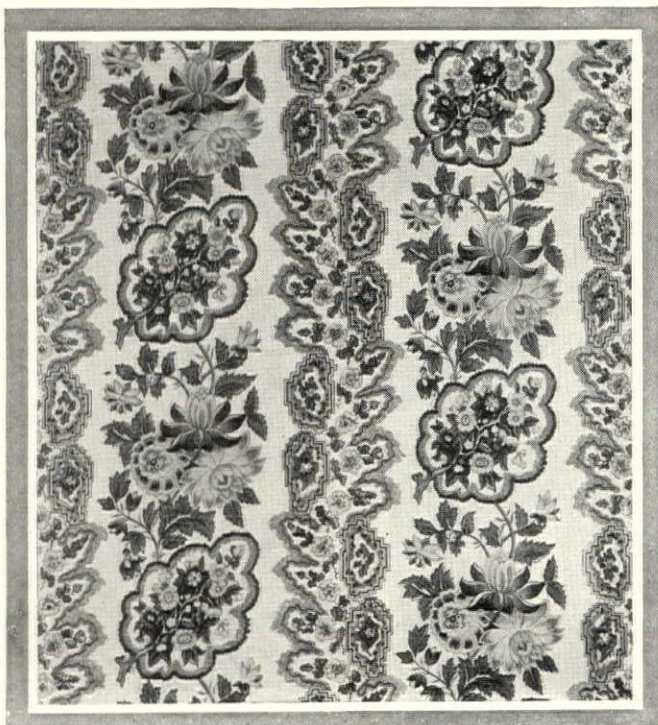
Let your decorator, upholsterer or the decorating service of your department store show them to you.

*"Your Home
and the
Interior Decorator"*

THE newest decorative effects that give your home individuality and charm are almost impossible to achieve without professional guidance. We have prepared a booklet, "Your Home and the Interior Decorator," which explains how you may, without additional expense, have the expert services of an interior decorator in your furnishing problems.

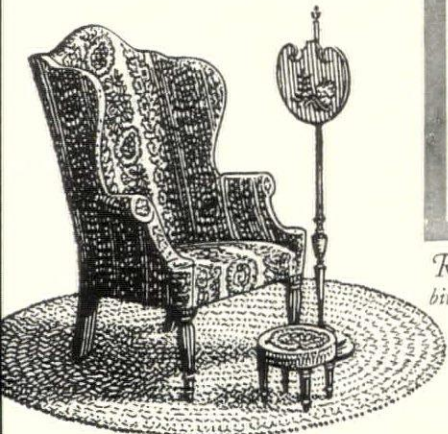
This booklet, with all its rich illustrations in color, will be sent you without charge upon request.

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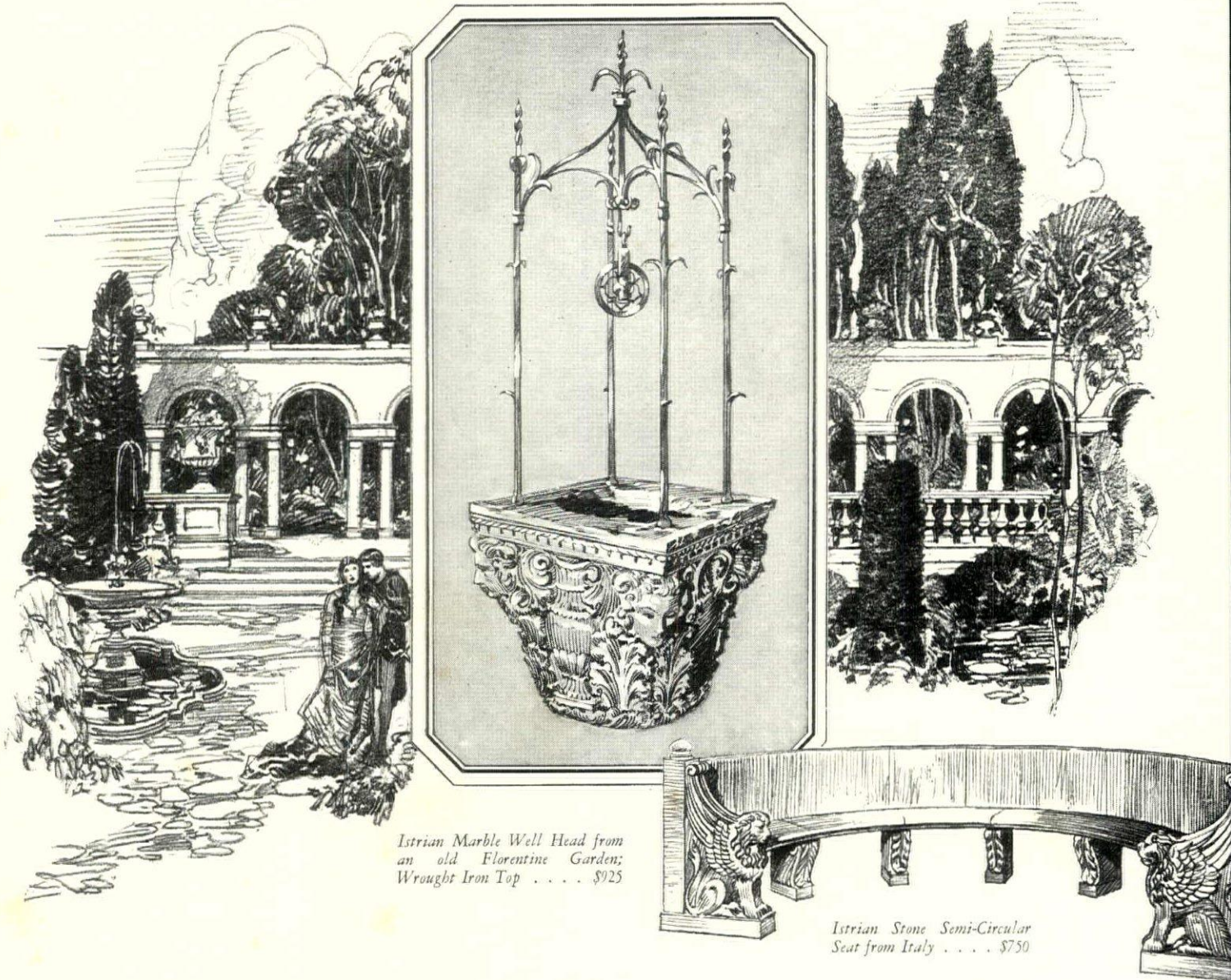


Reminiscent of old ship models, quaintly prim horsehair furniture and bits of ornament brought from far away ports, this chintz is most delightful

The Easy Chair, so favored by our forefathers, gains added interest when upholstered with this old-fashioned chintz



F-SCHUMACHER & CO.



Istrian Marble Well Head from an old Florentine Garden; Wrought Iron Top \$925

Istrian Stone Semi-Circular Seat from Italy \$750

From Gardens of Yesterday . . . to You

For years and years some of these lovely garden pieces have enhanced the splendor of Italian villas. The hand of Time, a touch of Old World Romance, have given them inimitable charm. They will help make your garden a mirage of the past, a restful spot to seek for thought, for dreams, for quietude.

Since 1827, nearly one hundred years, we have imported this garden furniture through exclusive

sources abroad. Our collection contains a wide variety of rare pieces; their equal cannot be found elsewhere. Some are exquisitely colored, all are of faultless design.

A visit to our shops will be an interesting one for you. Do not hesitate if you have no immediate desire to purchase. They are here for you to enjoy or acquire. Our welcome will be just as sincere if you come only to study these beautiful objects.



Istrian Stone Vase Imported from Italy, \$300 for the pair.

GENUINE ANTIQUE AND MODERN MANTELS ~ ANDIRONS ~ VASES
WELL HEADS ~ FOUNTAINS ~ CIRCULAR SEATS ~ COLUMNS

ESTABLISHED IN THE YEAR 1827

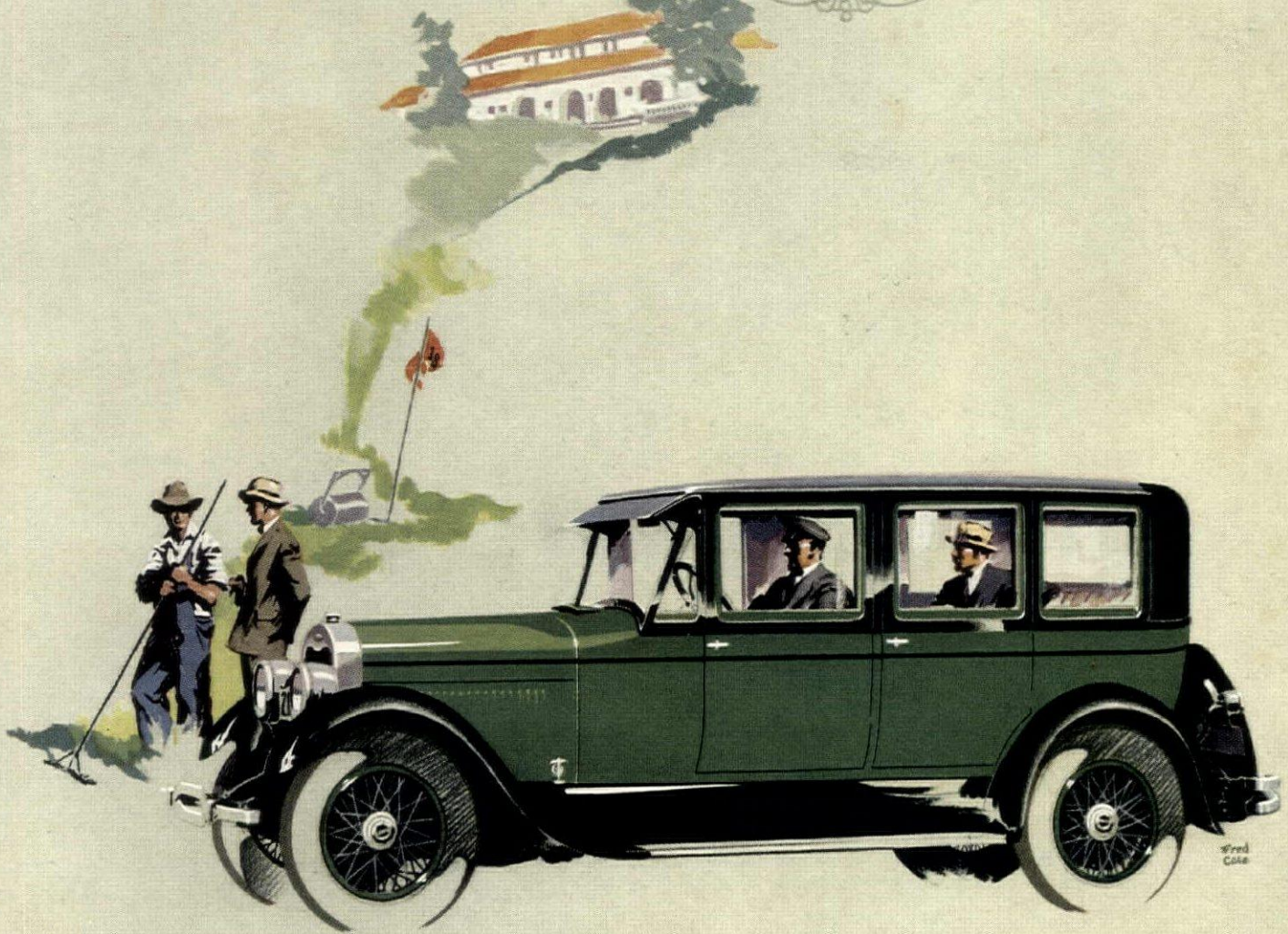
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THE OLDEST HOUSE OF ITS KIND IN AMERICA

LINCOLN

A distinctive Sedan
for five passengers
of Dietrich design
with two "occasional"
seats which completely
disappear when not in use.

LINCOLN MOTOR COMPANY
Division of
Ford Motor Company



Fred
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The FRENCH HOUSE

a type rich in interesting character

An architect who has done notable work in translating the spirit and charm of the French style into American settings describes its essential features



"THERE is a tremendous wealth of inspiration and of useful, beautiful suggestion for us in the domestic architecture of France." So says Edmund B. Gilchrist, well-known architect of Philadelphia. Continuing with a description of characteristic details, he adds, "Walls are to be found of all the usual materials, but the materials are seldom varied from floor to floor.

"There is no hesitancy in having the house look high. Roofs are generally steep and effective in their unbroken extent. Chimneys tend to be quite high and are often very thin in one dimension.

"Dormers are set close to the eaves and on the same plane with the walls. The sills of dormer windows invariably fall on the cornice or eave line of the house.

"Windows are tall in proportion to width and are single units—quite unlike the English manner of group windows cut up with mullions."

Mr. Gilchrist cautions against blindly following details, as this, he says, may result in building "a house that has little of the character hoped for. And the reason is plain. We have only borrowed the seasoning, whereas the dish itself is a very different one. To have a steep roof and French windows does not make a house French."

The above paragraphs are taken from a complete ar-

Edmund B. Gilchrist of Philadelphia, whose architectural work has a highly appealing character. He has received the highest distinction to be conferred by the Philadelphia Chapter of the American Institute of Architects, in being awarded the Medal of Honor in 1923.

ticle by Mr. Gilchrist on the French type of house. This is included as one chapter in the book, "Harmony in Home Design," which some of the most famous architects in the

country have cooperated in preparing. Filled with interesting, helpful information about the leading types of home architecture, every home-builder should read it. A free copy yours on request.

Whether you decide to build a house in French style or whether you select some other type, you will, of course, want a roof that gives lasting protection against weather and fire. And a roof of Carey Asbestos Shingle meets these requirements perfectly. Made by a special Carey process—long asbestos fibres criss-crossed, interwoven and embedded in cement—they have toughness and strength never before possible. They can no more burn than does granite itself—and they're just as everlasting! No upkeep, no repair expense.

Your choice of a wide range of beautiful color effects harmonize with every exterior. Natural browns, slate gray, pottery red, blue, black, purple, and forest green. Put on a Carey Asbestos Shingle roof—it will give you a life-time of satisfaction!

The Philip Carey Company, Lockland, Cincinnati, Ohio.

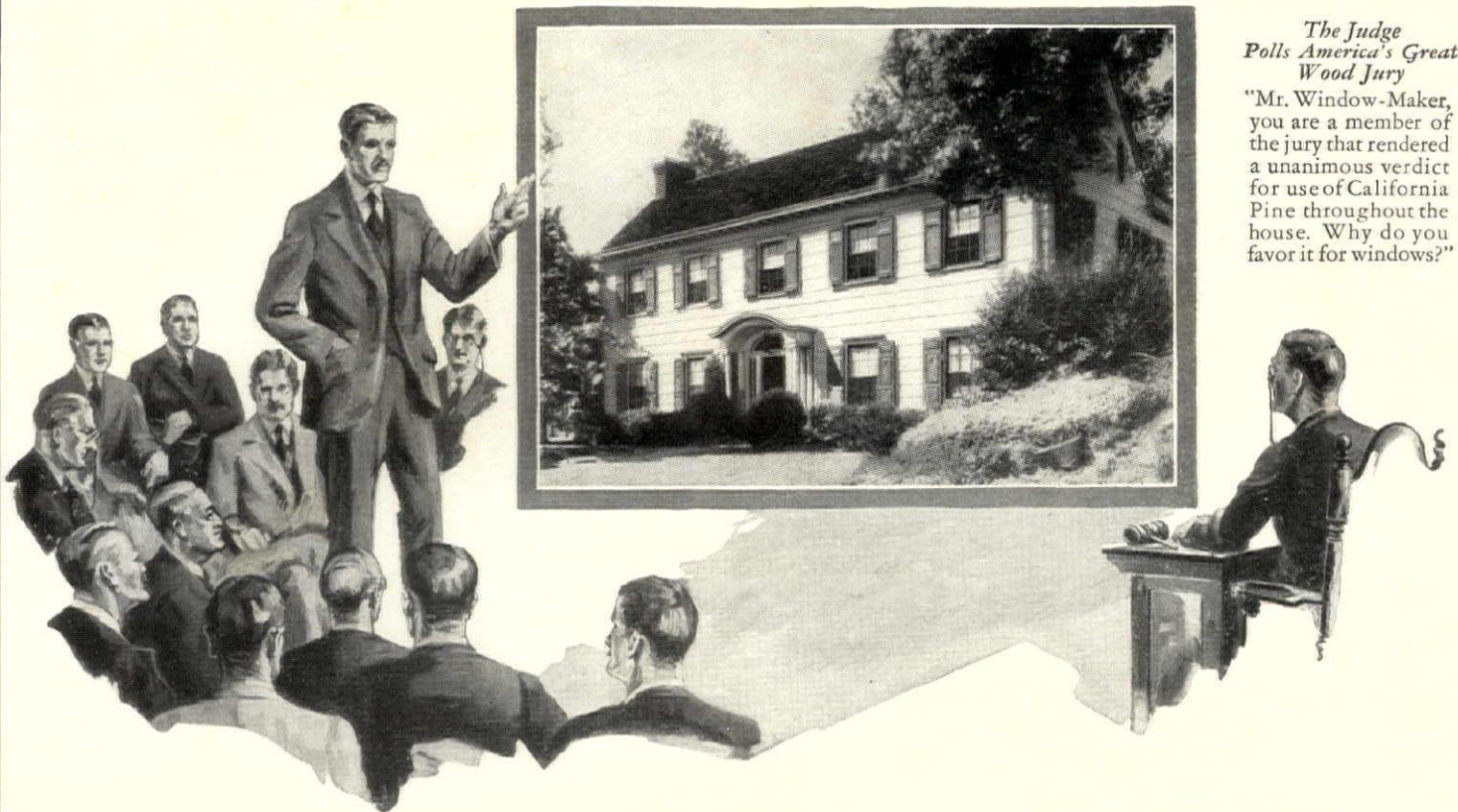


An interesting and delightful French house designed by Mr. Gilchrist. On a house of this type, Carey Asbestos Shingles provide a roof that's weatherproof, fireproof, decay-proof—at a very moderate cost.

Carey
ASBESTOS
SHINGLES



This book, "Harmony in Home Design," contains articles by some of the country's best known architects, on different types of home design. Invaluable for home-builders. Write today for a free copy!



*The Judge
Polls America's Great
Wood Jury*

"Mr. Window-Maker, you are a member of the jury that rendered a unanimous verdict for use of California Pine throughout the house. Why do you favor it for windows?"

The *Window-Maker* says:

"California Pine windows are the rule in well built homes"

"Among all the window woods, California Pine possesses the superior qualities for making windows of character. That's why you will find this long-service wood in well-built homes throughout the country—not only in the windows, but in every part of the house.

"There may be a difference of 50 degrees or more in temperature between the outside and inside of the house, but California Pine withstands this variation. It won't warp or twist, swell or contract, to the point of causing windows to rattle, stick or jam. It makes sturdy sash that are light in weight, which raise and lower easily, and require less expensive sash weights. It permits easy sawing and accurate joinery because of its soft, firm texture. It cuts easily and smoothly without chipping; takes and holds nails and screws tightly without splitting. This is most important in casement windows.

"Any home owner can be proud of the appearance of windows made with California Pine. This wood is light-toned with sleek, satiny surface which readily takes all paint colors. For the same reason less paint or enamel is required. Freedom from grain raising tendencies assures a smooth, unchecked painted surface. Moreover, there will be no discoloration from pitchy substances or wood oils. All in all, California Pine windows provide a perfect combination of attractiveness and wearability."

Authorities on home construction choose California Pine for practically every home building purpose. By using California Pine you will have an attractive and comfortable home to live in, with fewer repairs and higher resale value. The economical cost of California Pine is assured by large production, national distribution and a supply of superior timber for ages to come, probably forever.

Personnel of the Jury:

The Architect, The Builder, The Carpenter, The Lumber Dealer, The Sash and Door Manufacturer, The Pattern Maker, The Frame Manufacturer, The Shipper, The Cabinet Maker, The Wood Technologist, The Painter, The Manual Training Instructor.

The Verdict

"The qualities of these pines make them superior for every part of the home."

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Also producers of CALIFORNIA WHITE FIR, CALIFORNIA DOUGLAS FIR, CALIFORNIA INCENSE CEDAR

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*Don't stand blindfolded
when you build*

Everyone who builds a home should know the ABC's of building. Our free 48-page illustrated book "Pine Homes" contains valuable home-building information set forth in simple, easily understood terms, with graphic illustrations of the various operations incident to construction; also many reproductions of attractive homes. An hour's time with this book takes the mystery out of building. If you are a prospective home-builder you will enjoy reading it.

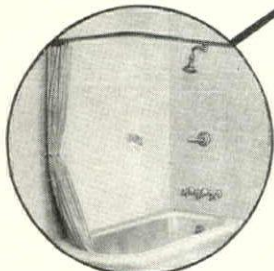


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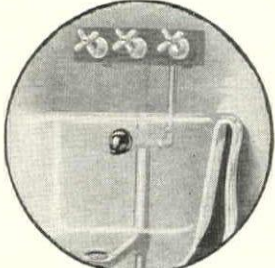
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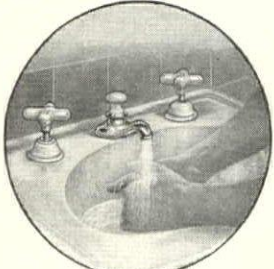
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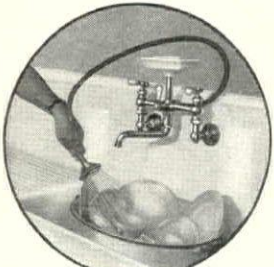
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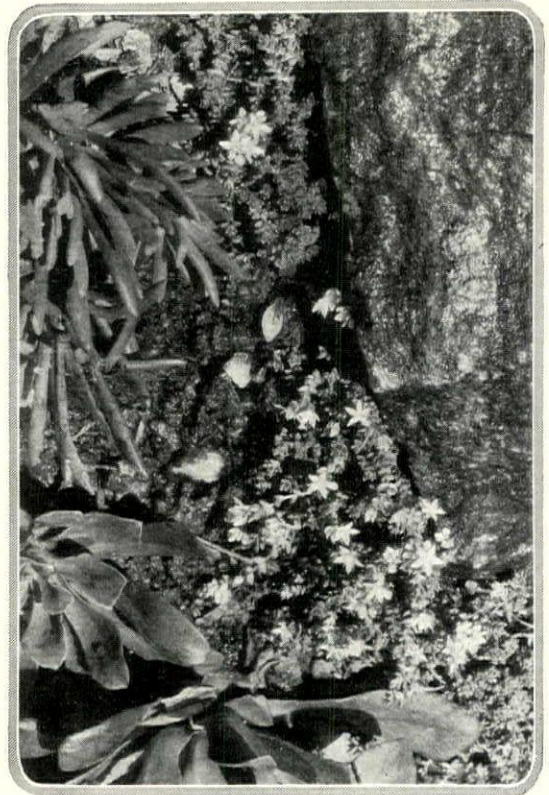
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One of the diminutive Stonecrops is *S. dasphyllum glanduliferum*. Its little mat of fat, globule-like leaves is gray below lovely white or flushed June blossoms

THE STEADFAST SEDUM

(Continued from page 57)

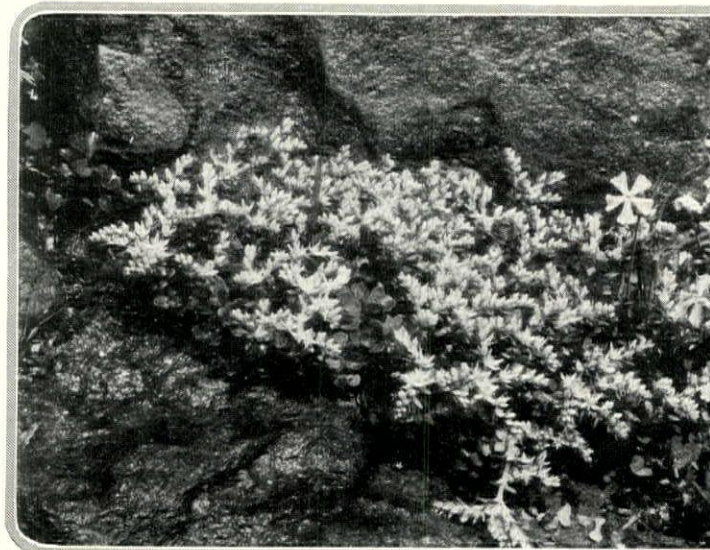
beauty a word often used in connection with this primarily useful race, yet a few have both beauty and distinction of blossom and the foliage of nearly all is fine and luxuriant. Just what we should do without Sedums in the rock garden I am not prepared to say. They fill a hundred uses, come to our rescue times without number.

According to Lloyd Preager, a Sedum authority, these plants are found pretty much all over the world: in Africa close to the Equator, in Iceland, Greenland, Nova Zembla, Arctic Siberia and Alaska, pushing close to the icy fastnesses; nearly all over Europe, in the United States and Canada; in Central and South America and Mexico, the Atlantic

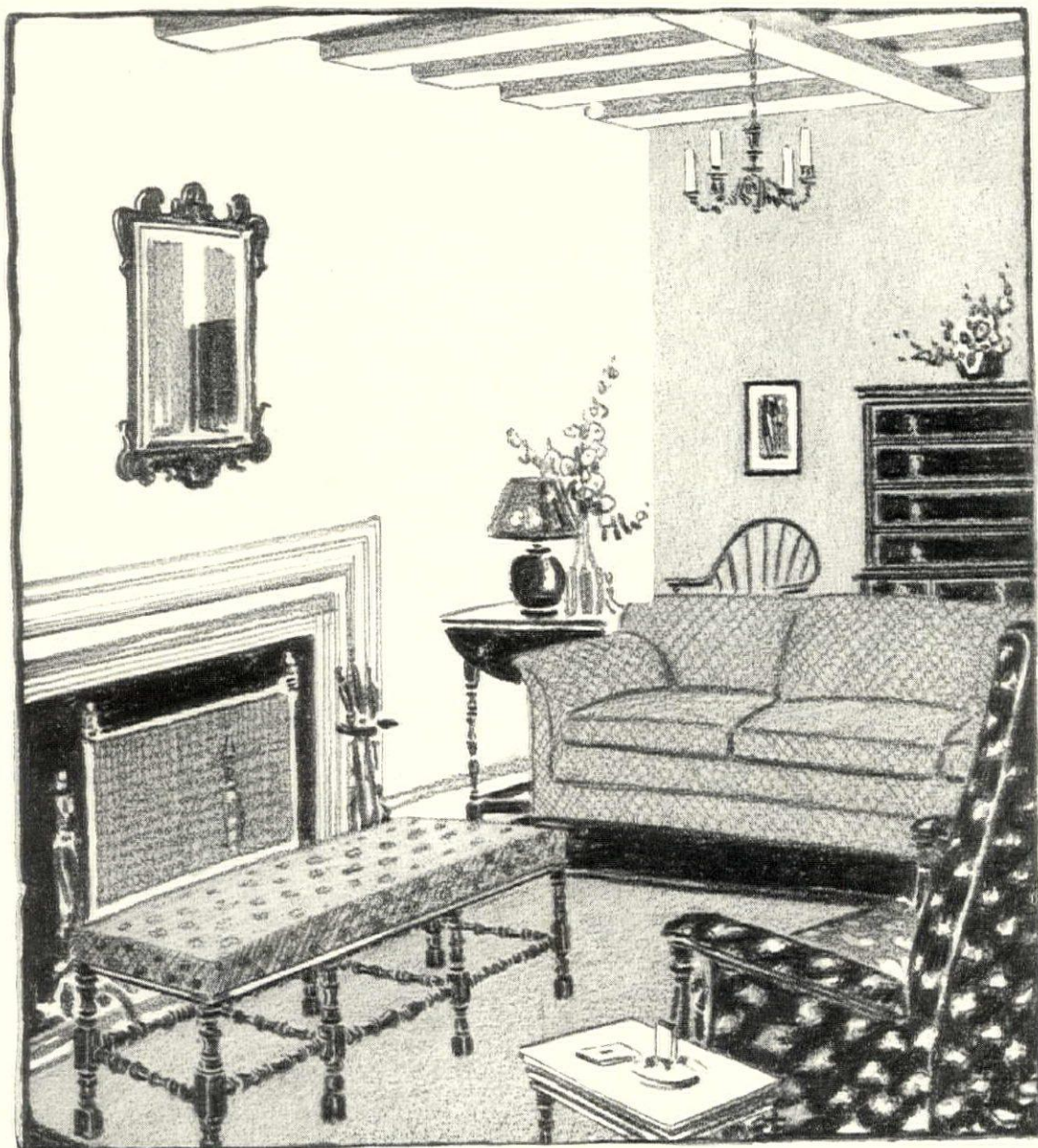
Islands, the Caucasus, Siberia, Central Asia, the Himalayan Range, China, Japan—an enormous family merging into other families, ways clearly defined, and in great confusion reigns. The nomenclature generally is in a tangle; species bear many names, other about under names that do not belong to them, again names appear in catalogs which belong to other known species. And among many of the species there is a close relationship. It is indeed a wise man who knows his Sedums.

Sedums are succulent plants with leaves flat to cylindrical, smooth shining generally, and for the most part evergreen. As a rule the

(Continued on page 116)



The creamy flowers of the native *Sedum ternatum* are the earliest of the race, opening toward the end of May. This species grows naturally in Virginia and the surrounding region



The charm of a well-furnished room is not measured by its cost but rather by the artistic value and appropriateness of its pieces. For example, the furnishings for the living room shown above can be purchased in this establishment at extremely low prices.

W. & J. SLOANE

47TH STREET AND FIFTH AVENUE

NEW YORK

SAN FRANCISCO

WASHINGTON



“not even gas for cooking”

“ Just like George to have rented an old-fashioned barracks like this, not even gas for cooking. No wonder the place has stood empty for years and years. The idea of cooking with coal in July.”

When Christopher Morley wrote this passage in “Thunder on the Left” he assumed that Phyllis Granville had not heard of Pyrofax—the gas that needs no gas main.

Pyrofax affords the supreme city convenience—gas for cooking and other household uses, transported to your country or suburban home.

You don't have to live near a gas main, for Pyrofax is brought to you by our local dealer, in steel containers. Like city gas, it comes to the range through ordinary gas pipe as a true gas (not as a liquid) and it burns with a clean, sootless flame.

Reliable, Richardson and Boynton, Tappan and Vulcan “Smoothtop” ranges are adapted especially for use with Pyrofax, but any standard gas appliance may be used.

Listed as standard by the National Board of Fire Underwriters. Will not increase your insurance rate.

Cost of equipment, including gas range, \$165 and up, exclusive of gas.

“burns like city gas—not a liquid fuel”

Pyrofax

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Carbide and Carbon Bldg., 30 East 42d Street, New York, N. Y.

Please send me booklet and circular describing Pyrofax

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Street _____
City _____ State _____

THE STEADFAST SEDUM

(Continued from page 114)

is more valuable than the flowers, forming richly luxuriant mats, often finely colored. The blossoms belong to the summer and are yellow, white or a rather dull rose. There is a single pure pink kind, one high scarlet, one blue. As to height there are stalwarts almost two feet in height down the scale to the veriest little groundlings. Concerning propagation little need be said. Any bit firmly pressed into the earth will straightway root and bud, and the tale is told of certain species that if a leaf be inserted in the earth it will soon be a thriving plant. Most of the species are perennial but there are a few biennial and annual sorts.

When it comes to choosing among this great family one is sunk in indecision, so many to select from and so many apt to be on the side of the commonplace. Of the tall sorts few, it seems to me, are worth growing save *S. spectabile*, a quite noble sort with powder-blue leaves and “chalk-pink” blossoms in the late summer. This, the so-called Showy Sedum, is too tall for a small rock garden but shows up well in one of fair extent. Its late blossoming season makes it valuable in the rock garden. *S. altissimum* is fairly tall, sometimes reaching a height of ten inches. It makes an erect bushy mass, grayish in color and topped by pale straw-colored blossoms quite different from the greenish yellow tone affected by so many of the race. This is a fine plant for a hot, exposed position. It abounds about the whole “Mediterranean basin.

Frequently we cast about for a plant that will cover a flat rock with beautiful and luxuriant foliage, or throw a kindly veil over unsightly portions of the rock garden, or swing a curtain of rejuvenating greenery from the crevices of some old and broken wall. Many Sedums will accomplish these amenities. Perhaps the best of these is *Sedum spurium* which produces masses of stems that root as they go and a mat of rich, shining, close-woven leaves beautiful at all seasons. The low-toned, rose-colored flowers come at the end of the shoots in the late summer and are decorative. There is a brighter colored form and one with whitish blossoms.

FOUR OTHER SORTS

Very close to *spurium* is *S. stoloniferum (ibericum)* and valuable in the same locations. It is possible to use this plant in damper situations than will be accepted by many of the clan. *S. eversii* is a lovely half bushy, half scrambling kind whose gray-blue leaves would win it a place in any collection of fine plants without its rounded heads of wine-colored blossoms that finish the stems in late summer. It is herbaceous in character, quite losing its leaves in winter. *S. kamtschaticum* is a low-growing, trailing and creeping species with shining dark leaves and rich colored orange-yellow flowers that will grow in sun or shade and in the poorest soil. It makes a good border edging as well as being suitable for the rock garden.

While praising the quite different Chinese species, *S. sarmentosum* one must also sound a warning about it. Its way of running flat against a dry wall face, rooting in the crevices as it goes and soon covering the whole with its pale green, succulent foliage, is to be highly praised. It covers bare, unsightly stretches of ground in the same quick way. Its lax, slender branches often run eighteen inches in a season and rise more than an inch from the earth. In late June the expansion is covered with cymes of yellow blossoms. But because of its way of spreading it must on no account be allowed in the neighborhood of the choicest plants cherished. Every detached piece of root and grow apace and before you are aware of the approach of trouble we find this wily Chinaman in possession of sacred ground and its contents. Enjoy it by all means but put it in a safe place and wall even there.

FOR ODD CORNERS

A trio of rather uninteresting plants that are prominent in catalogs are not really pretty enough for use as anything but fillers in unconspicuous places, are *S. rupestre*, *S. sexangulum* and *S. reflexum*. They are fairly growing, bear a profusion of yellow flowers rather acid in tone in summer, and are ambitious spreaders. It is rather too bad to give much credit to these commonplace varieties when there are so many better things to be had. There is the little *Sedum* once called Kit-o'-the-Wall. It is a very close-growing, making a bright evergreen mat and bearing a shower of yellow flowers in June. Kit-o'-the-Wall is found quite often in many rural neighborhoods, creeping in and out of the crevices of old walls or binding the cracks with its neat and shining green.

Very dwarf and pretty, too, is *S. lydium*, dainty in appearance and too expansive of habit. Its blossoms are white. *Sedum album* also is a lightful kind, though it is a rampant and requires watching. This species masquerades in the catalogs under many names and appears to have many forms, all pretty much alike when you get them. In dry locations its leaves turn bright red and in June its blossoms are a froth of white—gay and decorative. A beauty, this furbish up old walls or difficult corners, but a thief in the night when one's choicest dears are concerned. An ingratiating thief also is *S. anglicum*—“low and matted, with fat leaves and bluish globules on three-inch stems that bear a branched head of rather large white stars”. These globules seem to become detached easily when carried by the wind or some evil stinct of their own roll about until they manage to lodge in the midst of some choice and fragile plant where they immediately root and grow lustily with the inevitable trail result.

And we are now among the charmers of the clan, the little low kinds that are held dear for their

(Continued on page 124)




After the GAME

The lure of golf is great indeed. One plays serenely over a velvet carpet of silent fairways in tune with the song of whispering leaves.

One surges to the thrill of a long carry from a perfect shot that speeds true towards the pin—or the approach that is placed just where planned. Is there anything to match the crisp click when club meets ball correctly!

Yes—perhaps. If there is, it is when, after the game, you stroll to the shady club veranda and find there awaiting you a table set with sparkling Glassware which adds zest to the taste of the dainty delicacies. Then you know the kind of contentment that is beyond description.

Especially is this true when just that extra touch is added by the ring and sparkle of Heisey Glassware. There is a delicacy to its color and contour that is fascinating. Even the salad seems a bit more tempting—the iced drinks more refreshing.

You're not taking even a sporting chance when you use *complete* glassware service for the luncheon table—for, you know, glassware is all the vogue. Ask for Heisey Glassware and look for the  trademark. It is your assurance of finest quality. Ask to see the rich new Moon Gleam and Flamingo colors.

Descriptive folder and a booklet of recipes from famous chefs will be sent upon request

A. H. HEISEY & CO., Newark, Ohio




Salad Granville Inn ~

A tempting summer dish from the cuisine of the Granville (Ohio) Inn, the finest exclusive hostelry in America.

Prepare julienne of chicken or tongue for number to be served. Add truffles, celery, asparagus tips, covered slightly with mayonnaise.

Decorate with tomatoes, cucumbers, endives and sliced hard boiled eggs, covered with ravigot sauce. Decorate with water cress.

HEISEY'S

GLASSWARE  for your Table





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108 color schemes for your home

See them in actual colors—in advance—beautiful combinations of roof, walls and trim

BEFORE you build or re-roof be sure to get the new Richardson Booklet, "What Color for the Roof?" Also the Richardson Harmonizer. Booklet contains page after page of beautiful colored illustrations, showing interesting homes and attractive roof effects. Harmonizer enables you to *see in advance* 108 color combinations of roof and body of house. You can choose a charming color scheme for *your* particular home with perfect certainty. Avoid mistakes. Consult the Richardson Booklet and Harmonizer before selecting your roof. Offered free for this month only. Send for both—now.

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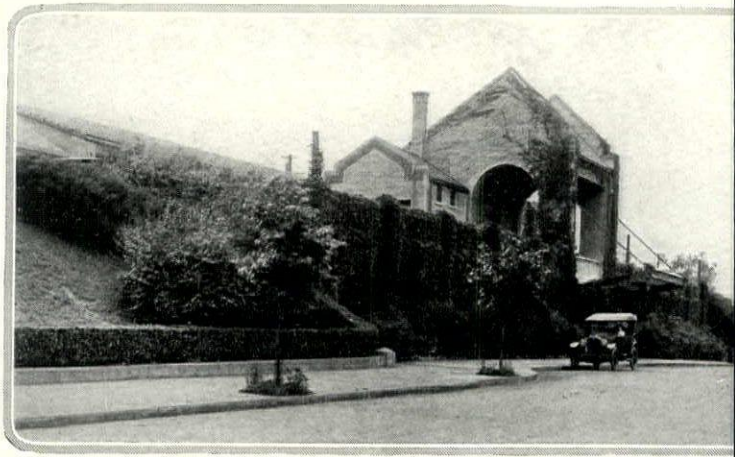
With the understanding that the free offer is good for this month only, send me your Booklet and Harmonizer.

Name.....

Street.....

City..... State.....

© 1926. The Richardson Company



The station at Bloomfield, N. J., on which vines and massed shrubbery have softened the lines of the building and the railway embankment

FOR TOWN BETTERMENT

(Continued from page 89)

the towns appreciate it? Does it induce people to locate their homes in the towns served by the road? How do garden clubs, chambers of commerce and civic associations co-operate with the railroad in its program to improve the main gateway to the community?

These are far-reaching questions. Answering them briefly, let me say that landscaping work does pay a railroad not only from a dollar and cents standpoint, but also from the more important viewpoint of enabling it to give better service. Tens of thousands of commuters travel back and forth daily over these tracks. The road is under obligation to give them ample and comfortable train service. It has to keep them satisfied, not only by getting them to work on time but also getting them home again in the evening with as much speed as is consistent with safety.

The train service provided by a town is likely to be given major consideration by a commuter when deciding on his place of residence. If he is given service that satisfies him, he becomes a booster. He brags about "his" railroad, its fast trains, comfortable seats, beautiful right-of-way, its attractive stations and what not. The road is obliged to give him something to boast about. If its trains are frequently late or if its approach to "his" town is through tin-strewn alleys, it

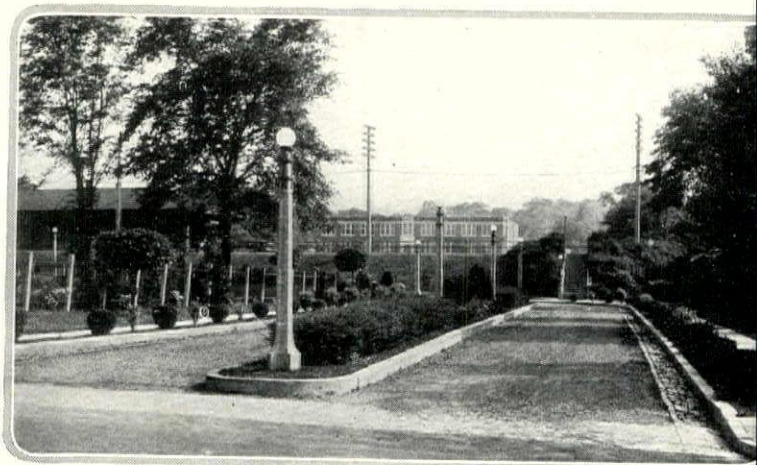
won't be long before he begins complaining to the Tax Board that home is over-valued.

Another point to consider is that the railroad is responsible, to a degree, the towns it serves. It helped the town to grow, just as the towns helped the railroad to grow. The more the towns develop the greater should be the prosperity of the railroad. Anything, therefore, that the railroad does to help the town should eventually redound to its benefit.

Still another phase of the co-operation between the railroad and the town is that the railroad in giving the community a parked area is doing for the town what in many instances it is unable to do for itself. Most small suburban towns have no money for park development. And where a town can afford a park system, it has been neglecting to establish one, the railroad by taking the initiative sometimes causes the municipality to emulate it.

When a railroad maintains a clean, attractive and inviting dooryard, it sets a good example to the whole community. Soon the people living along the right-of-way begin dressing up their own places. They inquire what shrubs such as adorn the railroad grounds can be purchased. Present the planting movement extends all over

(Continued on page 122)



At Chatham, N. J. the traffic has been divided by low shrubbery planting between curbs, with decorative light standards placed at regular intervals



*Founded
1867*

Photographed in our showrooms

FURNITURE of good design, made by skilled craftsmen, has an unmistakable individuality. In the home it creates a feeling of comfort and livability that is

most gratifying. We invite those who seek furniture of this character to visit our showrooms or, if that is not possible, to send for our illustrated booklet.

Palmer & Embury

M'FG. CO.

222 EAST FORTY-SIXTH STREET NEW YORK

WHOLESALE ONLY

Make This Test on a Windy Day...



YOUR windows should be so air tight that a handkerchief held as shown in the picture will remain motionless even on a windy day. If not, then you know why it is so hard to keep your home warm in winter.

Shut out all those cold drafts by installing Higgin All-Metal Weatherstrips. Look at the diagram at the bottom of this page. There you will see why the Higgin Weatherstrip is so air tight. The bronze insert strip of the window hugs the metal strip so snugly as to keep all drafts out.

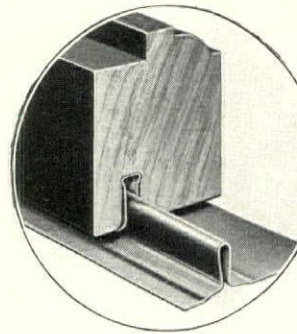
An examination of our booklet on Weatherstrips will show you why you should install Higgin. Send for it and the screen booklet, too. There is a Higgin service man in every principal city. Look for Higgin in your telephone directory.

THE HIGGIN MANUFACTURING COMPANY
501 Washington St., Newport, Kentucky
Toronto, Canada

HIGGIN ALL METAL Screens and Weatherstrips



These books show how Higgin screens and weather strips are designed for your home. Send for them.



Living room in the home of H. S. SNYDER, Farmersville, Pa.



Is Your Living Room LIVABLE?

"Hard luck" with indoor plants and flowers during the winter is one sure indication that the air in your home is too stale and dry. This lifeless air which causes plants to wither is also a common cause of winter colds, headaches, and other discomforts.

The lively heat which you get from a Kelsey Warm Air Generator makes your home really livable throughout the winter. It is warm air—not hot and de-vitalized. It is automatically moistened and is kept in constant circulation through every room.

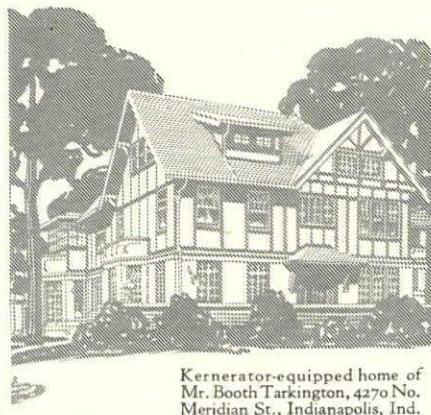
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Kernerator-equipped home of Mr. Booth Tarkington, 4270 No. Meridian St., Indianapolis, Ind. Architect, Burns Realty Co.



The— "Gentleman from Indiana" Banishes Garbage Forever

MR. BOOTH TARKINGTON'S delightful home will never have a garbage problem. For here, as in thousands of America's better residences and apartments, the time-tried Kernerator disposes of all garbage and waste without leaving the kitchen. No upkeep cost—the waste itself is fuel for its own destruction. Consult your architect or contractor before building—the Kernerator cannot be installed later.

The Kernerator is a brick combustion chamber at the base of your regular chimney, into which falls all waste dropped through the handy hopper doors on floors above. All waste—not only garbage, but sweepings, tin cans, papers, bottles, in fact, trash of all kinds, is merely chucked in and the accumulation, dried by air, is lighted occasionally. Metallic objects are flame-sterilized for removal with the ashes.

Write for booklet, "The Sanitary Elimination of Household Waste."

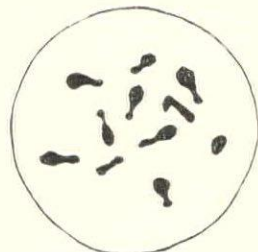
KERNER INCINERATOR COMPANY
725 East Water St. Milwaukee, Wis.

KERNERATOR
Built-in-the-Chimney

Garbage and waste disposal without leaving the kitchen.



DANDRUFF?



Bottle Bacilli, the cause of Dandruff. Illustration Reproduced from Hazen's "Diseases of the Skin." C. V. Mosby, Publisher.

Dandruff, known scientifically as Pityriasis Simplex Capitis, is a disease of the deeper rooted cells of the scalp.

It may spread by infection through personal contact (combs, brushes, etc.). Many people, for instance, and especially children, are free from the disease until infected by actual contact with dandruff bacteria.

Dandruff is a disease difficult to cure, but easy to check.

Unless checked and properly treated it has a persistent tendency to reappear, and often in more virulent form, with possible loss of hair or even total baldness.

The treatment to check dandruff requires constant cleanliness and the use of a suitable antiseptic solution to combat the disease and to heal the scalp.

Bobbed hair reveals it

THE current vogue of wearing the hair bobbed has revealed to many women that they have dandruff. In the past, folks thought of dandruff only as something that spoiled the appearance of a man's blue serge suit.

But we all have reason to be concerned about dandruff, for it is a germ disease which, unless properly treated, often brings with it the loss of hair or possible baldness.

The ideal treatment to combat dandruff conditions is the systematic use of Listerine, the safe antiseptic.

We have received hundreds of unsolicited letters from Listerine users, who are most enthusiastic in their claims for what Listerine will do in this way. If you are troubled with dandruff you owe it to yourself to try it.

The use of Listerine for dandruff is not complicated. You simply douse it on your scalp, full strength, and massage thoroughly. The effect is antiseptic, cleansing and healing. And you will be amazed to see how this treatment, followed systematically, combats dandruff.

Moreover, Listerine will not discolor the hair nor will it stain fabrics.

Try Listerine some evening when your scalp feels tired and itchy. Dandruff is probably causing the trouble. Apply it generously and then massage vigorously. You will find it a stimulating tonic for the scalp, and in addition to combating dandruff, you will find that it adds that luster and softness to the hair that is so important a part of being well-groomed.—*Lambert Pharmacal Co., St. Louis, U. S. A.*

LISTERINE

—and dandruff simply do not get along together

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From Coast to Coast—

the word has gone round—"Royal Cord Balloons make their own good roads."

United States Rubber Company engineers developed this tire to operate at *proper cushioning pressures*—protection for the car—comfort for those who ride.

This has been accomplished through the *flat* Low Pressure Tread and Latex-treated Web Cord, supreme in flexibility and strength.

Pure and uniform Sprayed Rubber from the Company's own plantations, adds another advantage resulting in long time service at low cost per mile.

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A rough stretch—don't clutch the wheel, don't slow up. A sudden turn—don't slam on the brakes, just touch the wheel. A steep hill—no need for a running start, no gear-shifting. Away at the top—engine *fresh!*

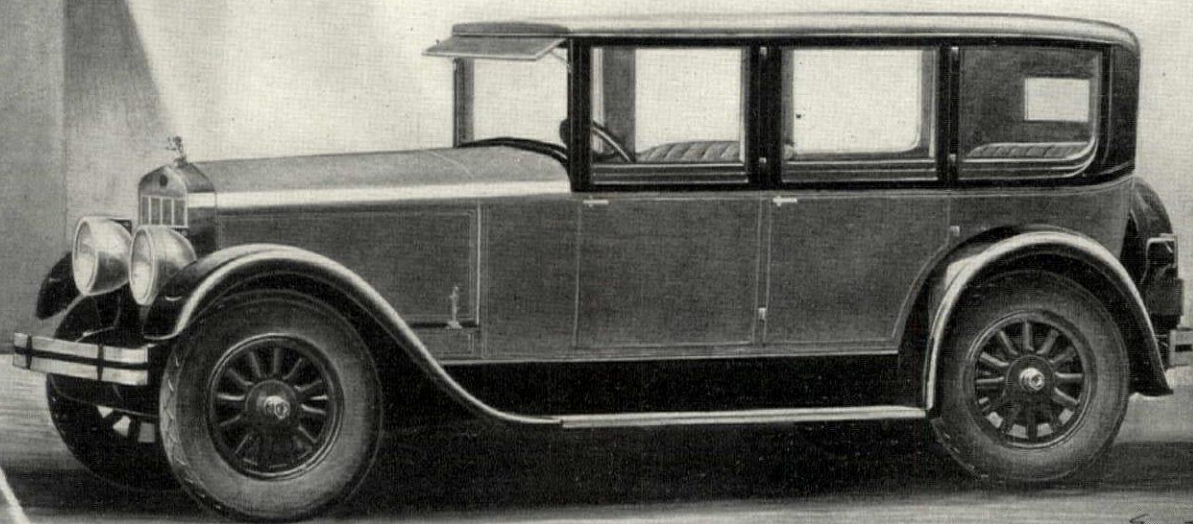
A car ahead—Brake!—easy stopping, no skidding. The traffic line opens up—away you go—instant pick-up, constant control. A detour—mud, sand, an endless stony hill in low gear— don't worry, nothing can make the Franklin overheat!

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The engineering principles behind these facts are interesting. Any Franklin dealer will be glad to explain them to you, and give you the actual proof of their effectiveness. Finer performance, uncompromised quality and style leadership have made the Series 11 Sedan at \$2790 the most popular car Franklin ever produced.

All Franklin prices include full equipment, even to spare tire, tube, cover and lock. Only tax and transportation are extra. Your old car can be applied in trade, and budget payment plan arranged.

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Ernest Henry

FRANKLIN



SEDAN — NEW PRICE — \$ 2 7 9 0

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STANDARD KITCHEN UNITS



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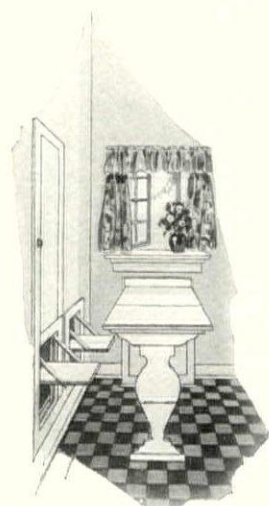
They provide everything from the kitchen cabinet to the refrigerator, from a cozy folding "breakfast nook" to dish and broom closets, from linen cupboards to folding ironing board.

You choose any units you need—according to the size and shape of your kitchen. Each unit is complete in itself; it can be used alone or in combination with other units.

Only Kitchen Maid Units give you the extreme cleanliness of rounded inside corners and smooth doors. Yet these units, with all their advantages and beauty, cost no more than old-fashioned cupboards.

Mail coupon for catalogue and full information.

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The Pulmanook
Consists of table and two or four chairs. Folds easily and quickly into wall.

"Let the Kitchen Maid Be Your Kitchen Aid"



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Please send catalogue and full information about Kitchen Maid Units to:

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

FOR TOWN BETTERMENT

(Continued from page 118)

the city and in a few years the landscaping pace set by the railroad has been accepted by the whole community. Thus in effect the railroad's plantings become a huge demonstration plot for desirable nursery stock.

A number of New Jersey communities are co-operating with the Lackawanna by having their own park system start in where the railroad's landscaping leaves off. The city of Passaic, for instance, has a wonderful civic improvement organization for a place of its size. It has labored unceasingly to extend the influence of the railroad's work beyond the company's property. One of the city's parks, for example, is a continuation of the Lackawanna's grounds.

In Maplewood, also, a magnificent park is projected that abuts the Lackawanna's station and its environs. Where this plan is followed the traveler coming into town gets the impression that the railroad's station is located at the entrance to a park.

Considered in all its aspects, maintaining a landscaping department advertises a railroad as catering to the home-owner and as being a friendly, beauty-fostering institution instead of a soulless corporation. Landscaped railroad grounds advertises a town as being a desirable place to live. It furnishes realtors with a valuable talking-point and commuters with something about which to boast.

Now as to the plantings: No two of the Lackawanna's stations are planted alike. The lay of the ground and the size of the plot naturally determine what is to be planted. Generally speaking, the company plants for permanency.

The right-of-way embankments are covered with Honeysuckle, Ivy, creeping Roses and small shrubs for the purpose. Three or four years ago the company completed an elevation of its tracks through the city of East Orange. On the sides of this elevation thousands of plants have been established. The company established rockeries at the end of its station platforms on this elevation.

In some places, notably at Mountain Station in West Orange, are winter gardens consisting of a great variety of evergreens. The Polyantha Rose is a favorite plant, and is adapted for railroad work because it blooms continuously during the summer and can withstand hardship.

Climbing Roses are also used extensively on fences to screen neglected lots and other objectionable scenes. Lawns are either seeded or sodded at all of the principal stations.

The best way to give an idea of the character and variety of the plant material necessary for this work is to describe the plantings at a typical station. I have selected Orange, New Jersey, although the plantings at several stations are much more extensive. The Orange landscaping is made up of five principal plantings, one consisting entirely of red, white and pink Polyanthas. Here is a list of the other four plantings:

PLOT No. 1

- Cornus florida*, 6.
- Prunus pissardi*, 4.

- Cercis canadensis*, 5.
- Thuja occidentalis*, 6.
- Abies pungens kosteriana*, 1.
- Acer schwedleri*, 4.
- " *platanoides*, 12.
- Berberis thunbergi*, 1600.
- Hibiscus (althea) variegata*, 20.
- Deutzia gracilis*, 20.
- Acer dissectum atropurpureum*
- Iris* Assorted, 50.
- Magnolia soulangeana*, 1.
- Retinispora plumosa*, 16.
- " *filifera*, 14.
- " *obtusa*, 8.
- " " *compacta*,
- " *pisifera aurea*, 4.
- Biota elegantissima*, 4.
- Juniperus pfitzeriana*, 20.
- " *virginiana*, 10.
- " *japonica*, 8.
- " " *aurea*, 4.
- " *chinensis*, 2.
- " *hibernica*, 6.
- Thuja occidentalis*, 20.
- " " *aurea lutea*, 4.
- " " *boothii compacta*
- " " *globosa*, 8.

PLOT No. 2

- Deutzia crenata*, 20.
- " *lemonii*, 10.
- Hydrangea*, 15.
- Cornus alba*, 15.
- Magnolia glauca*, 8.
- " *speciosa*, 2.
- Forsythia suspensa*, 15.
- " *viridissima*, 15.
- Hibiscus altha*, 30.
- Ligustrum aureum*, 15.
- Aronia arbutifolia*, 20.
- Weigela candida*, 20.
- Rhodotypos kerroides*, 15.
- Spiraea wilsoni*, 20.
- Viburnum lantana*, 20.
- Tamarix africana*, 20.
- Tilia plataphyllos*, 4.
- Quercus palustris*, 4.
- Tsuga canadensis*, 5.
- Ligustrum ovalifolium*, +30.
- Pinus excelsa*, 1.
- Rosa rugosa rubra*, 20.
- " " *alba*, 20.
- Berberis thunbergi*, 25.
- Euonymus alatus*, 25.
- Platanus orientalis*, 7.
- Abies orientalis*, 1.
- Cydonia japonica rubra*, 25.
- Weigela variegata*, 25.
- " *Eva Rathke*, 25.
- Deutzia gracilis*, 25.
- Hypericum aureum*, 15.
- Acer japonicum atropurpureum*
- Magnolia lennei*, 1.
- Ampelopsis weitchii*, 40.
- Rhododendron maximum*, 50.
- Spiraea vanhouti*, 30.
- Hibiscus althea*, double pink,
- Hydrangea*, 25.
- Berberis thunbergi*, 75.
- Ligustrum*, 2.

PLOT No. 3

- Taxus cuspidata*, 4.
- " *repandens*, 8.
- Rhododendron catawbiense*, 20.
- Ilex crenata*, 12.
- Mahonia aquifolia*, 30.
- Cryptomeria lobbi compacta*,
- Pachysandra terminalis*, 50.
- Rosa Mrs. Cutbush*, 130.
- Andromeda catesbaei*, 80.
- " *aborea*, 2.

(Continued on page 124)



\$1985

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...ding no-draft ventilating wind-
d, bumpers and bumperettes, radi-
r, gasoline gauge, coincidental
oil and gas filters and air strainer,
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CUSTOM CAR LUXURY WITHOUT CUSTOM CAR COST

The last word in a car of custom perfection . . . for the first time in a car of economical production! In this Big Six Custom Brougham Studebaker has combined One-Profit value with custom design . . . has associated new custom luxury with customary Studebaker economy because it is wholly Studebaker built to give Studebaker buyers the benefit of One-Profit manufacture. A lower body and a longer effect—lacquered duotone finish and pin-striped enrichments—acorn headlights, four wheel brakes, and disc wheels.

And custom inside as well as out!—broadlace trim, Butler finish hardware, and fine Chase Mohair with the swift and silvered figure of Atalanta poised above its radiator. Powered with the quiet and resourceful Studebaker L-head motor, which has enabled the Big Six to outsell every other car of equal or greater rated horsepower.

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BEAUTY by contrast is the newest note in bathrooms. The all-white surface is giving way to color.

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Unlike the ordinary wooden seat, the Whale-bone-ite Seat is all one piece, molded when soft into shape. It cannot crack, split, or disfigure. It has no cracks to harbor germs. No thin surface to wear through. Non-inflammable. It will last a lifetime.

Because of its brilliantly smooth surface, the Whale-bone-ite Seat cleans like glass. It brings a new standard of sanitation to the home.



Brilliantly smooth—cleans like glass—lasts a lifetime

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Cross-section of Whale-bone-ite Seat, Free

To let you examine this amazing substance, Whale-bone-ite, we will send an actual cross-section of a Whale-bone-ite Seat, free. Also a booklet showing the new colorful bathrooms. Both free. Write today.

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Name

Street.....City.....

H & G 8-26

FOR TOWN BETTERMENT

(Continued from page 122)

- Acer atropurpureum*, 2.
- Abies pungens kosteriana*, 6.
- Morus pendula*, 2.
- Spiraea vanhouti*, 20.
- “ Anthony Waterer, 15.
- Weigela variegata*, 15.
- Populus fastigiata*, 22.
- Juniperus virginiana*, 23.
- Thuja occidentalis*, 32.
- Prunus pissardi*, 4.
- Cytissus laburnum*, 2.
- Sorbus aucuparia*, 2.
- Cornus florida*, 6.
- Sambucus aurea*, 20.
- Syringa*, 35.
- Crataegus oxyacantha*, 5.
- Aralia spinosa*, 4.
- Berberis thunbergi*, 25.
- Buddleia veitchi*, 20.
- Colutea arborescens*, 15.
- Calycanthus floridus*, 15.
- Corylus purpurea*, 15.
- Clethra alnifolia*, 20.
- Chionanthus virginica*, 10.

PLOT No. 4

- Betula laciniata*, 60.
- Picea polita*, 26.

- Picea pungens*, 25.
- Populus fastigiata*, 12.
- Juniperus virginiana*, 13.
- Ligustrum ovalifolium*, 26.
- Deutzia lemoinei*, 30.
- Spiraea Anthony Waterer*, 2.
- Hypericum aureum*, 30.
- Hydrangea arborescens*, 50.
- “ *paniculata grandiflora*
- Spiraea thunbergi*, 20.
- “ *vanhouti*, 30.
- “ *wilsoni*, 20.
- Weigela candida*, 15.
- “ *variegata*, 15.
- “ *Eva Rathke*, 15.
- “ *rosea*, 15.
- Buddleia veitchi*, 20.
- Viburnum dentatum*, 25.
- Lonicera tatarica*, 20.
- Syringa persica*, 20.
- Euonymus alatus*, 20.
- Philadelphus coronarius*, 20.
- Corylus purpurea*, 10.
- Forsythia amabilis*, 25.
- “ *viridissima*, 25.
- Magnolia stellata*, 2.
- “ *glauca*, 4.
- Cytissus laburnum*, 4.

THE STEADFAST SEDUM

(Continued from page 116)

sakes and not for utilitarian reasons. Two Caucasian biennials are perhaps at the head of this list. They are *S. pilosum* and *S. sempervivoides*. The former, perhaps the brightest jewel in the Sedum crown, forms a little downy rosette much like a soft *Sempervivum* during the first year from seed and entrances us the second year by maturing in May a rounded head of exquisite and gentle pure pink blossoms, far lovelier than those displayed by many a more pretentious plant. *S. sempervivoides* forms a rather flat and fleshy rosette of dull green and in summer sends aloft a bronzy stem topped by a loose spray of dazzling scarlet blossoms. Both these beauties require warmth and light and a soil that is light and stony.

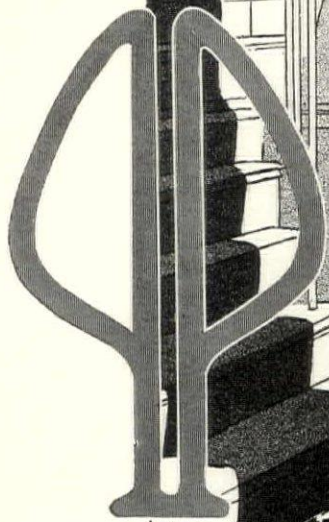
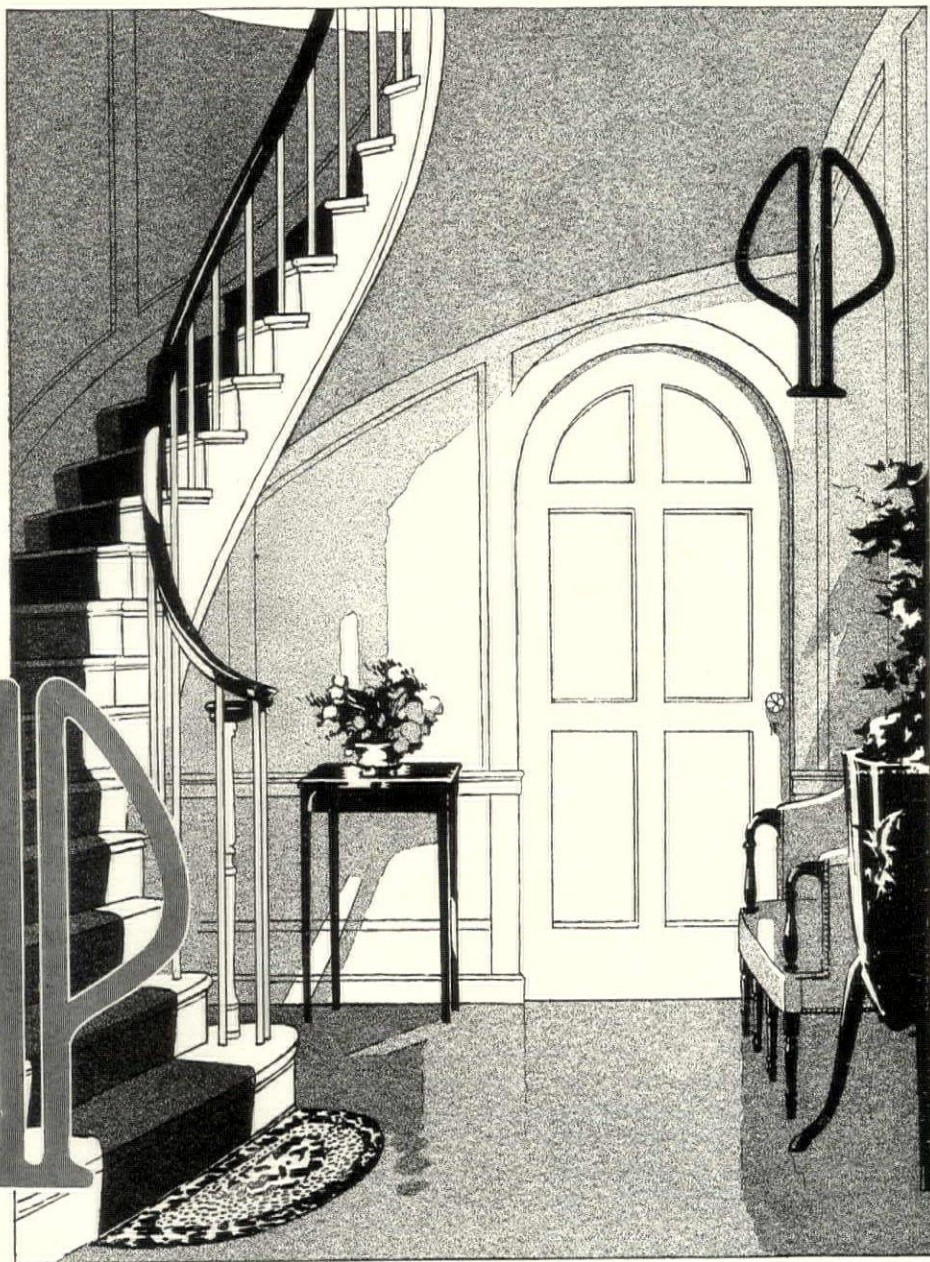
S. dasycyllum is among the loveliest, making a little pile or mat of fat globules that stand for leaves, soft gray in color, and studded toward the end of June with small lovely white or flushed blossoms that look like exquisite bits of enamel-work. *S. brevifolium* is close to it but has sub-globular mealy leaves and white flowers. Both these plants, while appearing very choice and aloof, are easily satisfied in warm sunny situations of the rock garden, but they must be assured a dry bed in winter.

Sedum coeruleum is an emerald-green annual that bears blue blossoms and prefers a dampish situation. *S. glaucum (hispanicum)* is annual or biennial, dwarf, charming, a vagrant, sowing its seeds hither and yon. The plant is perhaps three inches tall, and bears one-sided sprays of white flowers with distinct black anthers.

The foregoing species are all for-

eign born, but we must take special mention some of the native kinds we are beginning very slowly acquainted with. Three Easterners deserve more than casual attention. *S. ternatum*, found in Virginia thereabouts, and in New York is the first of all the Stonecrops to bloom in my garden, usually at its best towards the end of June. The photograph shows its habit of growth; it is a most lovely kind, effective when covered with its cream of creamy stars. Sun or half-shade suits it. Closely following it is *S. nevi*, with lovely rosetted gray leaves and white flowers early in June. It belongs to the Southern States—Virginia, Missouri, Alabama. But the prettiest is *S. pulchellum*, the wee spruce tree, bright green, hoists over its head in early June most fetching three-cornered umbrellas. It is an annual, but sows freely so once you have it is little fear of losing it. It is to inhabit cool limestone ledges, dampish places in Virginia, but not found it set in this preference.

Mexican Sedums, of which there are many, are too tender for our climate, but the West and the Northwest are well inhabited by their cousins. These western Sedums are not so easy to grow as those of the East we have been speaking, and perhaps they have about decided that they require a slightly acid soil. Many of them thrive in half-shade. *S. oregonum* has proved very reliable, as has *S. gormanii* (acid soil sun.) Other sorts that are interesting are *S. divergens*, *S. glasi*, *obtusatum*, *S. purdyi*, *S. sp. ifolium*.



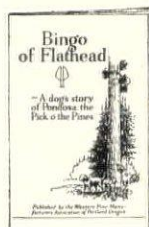
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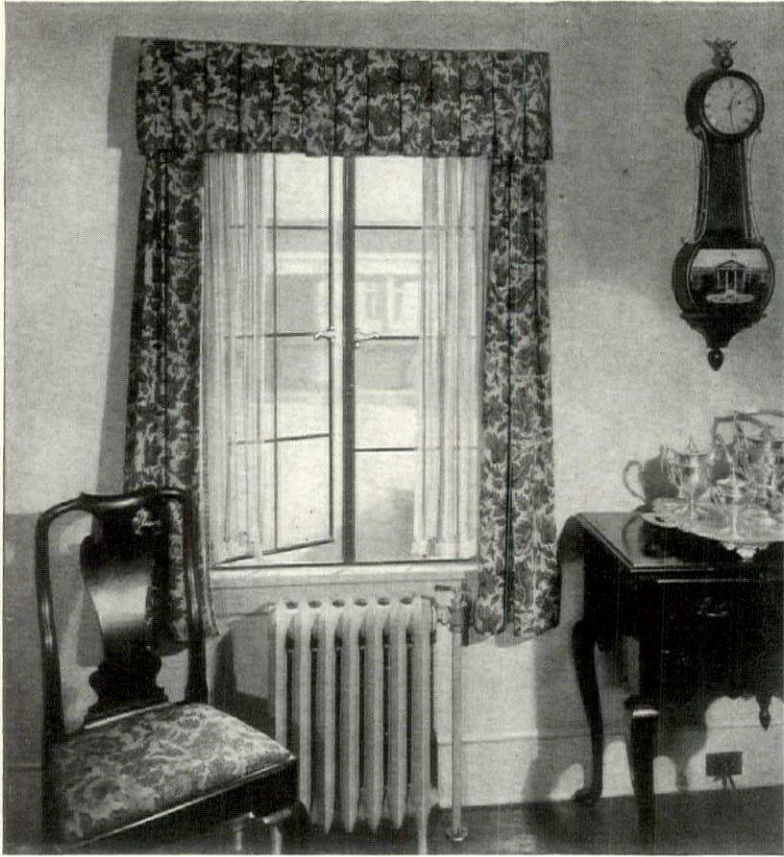


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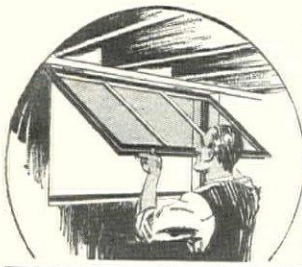
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COLOR IMPRESSIONS of PERIOD

(Continued from page 62)

We find it a favorite background for monstrous flowers covering the ver-tugadin or farthingale chairs.

When Versailles became a wonder of the world it was bright with strong unadulterated color splendors. Yellow, the king's own color—deep rose perhaps more favored by the nobility of the 17th Century than any other color. The vivid blue of Marie Thérèse. Greens of every foliage down to the pious green of Maintenon. The great tapestries separated colors to make color values or married them into regal harmonies. About them swung garnitures of gold, silver, and crystal. Later the regent Phillipe d'Orleans with his craze for novelty rather turned things about. Then came the days of Louis Fifteenth to put a haze over their brightness. Eyes had grown sensitive. The mode for crude colors began to lessen. The reign of wood paneling commenced. In the apartments of the Pompadour are soft delicious colors that might have been mixed by Fragonard and Watteau. Later, with Louis XVIth, these exquisite colors were to be reduced to tints. Michelet writes that the Louis XVth style was a return to life and humanity. The reign of crude godhood was ended. The superhuman look of the furnishings was melting under *les bonnes graces*. The offspring of the primary colors had a luxuriant blooming quality. For Marie Antoinette the blooming grew more ethereal. Moonlight, the spray of fountains and some mirage of rainbow unreality entered into them.

When I come to the Paris of the Revolution a great whiteness seems to fill the interiors. In every second *hôtel* where a Cato or Roman matron had come to life the taste of an ancient republic was arriving with fresh buckets of paint. The slender and delicate furniture that I have owned of this rare period has always been in old white. My chair coverings, white and faded sky blue stripes or white and rose rusted to pink as if the blood of aristocrats had been woven with a shimmer caught from heroic marble. These narrow stripes of old white and another color, a little before the famous striped silks of Jacquart, hold some of the vocal arpeggi of the time for me. The ghosts of the muslin-garbed muses of 1793 seem to have just left them. In some inscrutable way this whiteness of the French Revolution always emblazons the rooms that witnessed the American Revolution for me. If I were forced to paint the gods of the period from the immortal Washington down, I should place them before white panels and wainscot. The most vivid impressions of Revolutionary interiors I have known all stay with me in clearness—a coolness and repose caught from white walls.

COLOR REMEMBRANCES

As a faint whiff of scent will sometimes recall a strong but sleeping memory, so a passing splash of color can awaken one's color sense of a period where one found the color romantically imbedded. The Canaletto and Guardi blues and greens

float one away to the canal Longhi Venice. A bowknot of rose pink and celestial blue open door to the Berry's little salon Curzon Street and I see groups of curious femininity, white hair fluttering, as Cosway saw the stained glass windows and color lacquer screens take me to Horace Walpole, and probably would dub me vastly impertinenting such associations with Strawberry Hill.

THE EMPIRE PERIOD

The Empire period in furniture always seemed a period of glamour. It seems confined in marble. Even the multitudes of golden sphinxes, and caryatids never through its palls. Green, gold, violet, and a family of Egyptian browns were its favorite colors. Always think of Napoleon's family of Queens in huge trapezoidal these colors seated on slabs of hogany upholstered in more or less same grim colors, stiff with strange agony of crown bearing. Madame Recamier drifts away in white India muslin, which the ladies also probably wore when they were not busy upholding the Empire. But it is on record that even the fascinating Julie slept in a violet bed.

A recent London fad has been William and Adelaide furniture period that no one has label ticketed very much and therefore appealing to the capricious and collector of furniture who is something new. Pieces of this usually painted black and to their Regency cousins. Chair backs were often of a heavy ribbed in bright Indian red—a color never seen in any other period. The olive walls of stamped velvet with a touch of 1830, one can imagine interior lit with the new green. They still exist in Brighton houses. The black and red furniture, the seacock walls, Indian and spoils from the East. The amusing touches of gaiety, the kets, pyramids, and towers of shells. Such rooms usually copies of Lady Blessington's Books—perhaps in a spirit of mockery.

Nowadays with America's turned towards Florida, with Modern praising its sapphire sunshine and perpetual spring, the enthusiasm of the first color, there is much talk of *Cinquante* houses and Renaissance furniture, the great furnishing shops that antiques one sees old dark furniture and stretches of red brocade, rightly or wrongly a part of the trappings of the 15th and 16th centuries. My own world of the Renaissance holds nothing black and stretches of red brocade. I see in the colors of the Primavera when red comes into it, it comes scarlet flashes on old gilt. For Botticelli has colored it for me, than El Greco, for it lives for an ecstasy of color, like the harmony of deathless Spring.

Fine Distinction

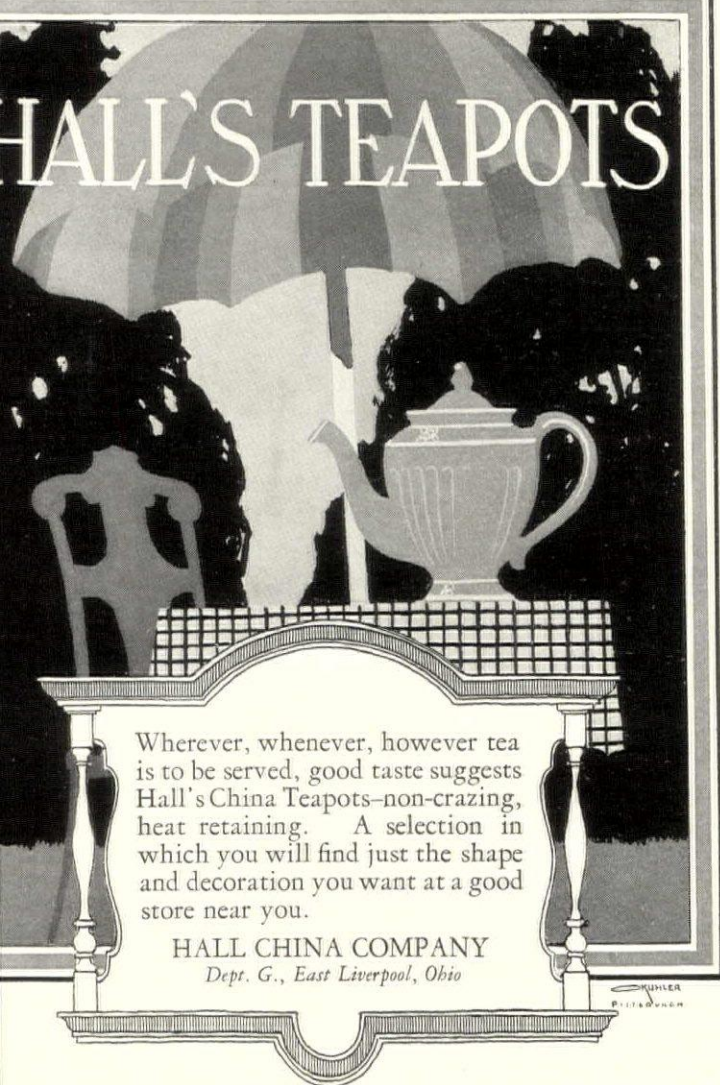
achieved by contrasting the soft, inimitable glow of baguette diamonds, with the rich blue of surrounding sapphires.



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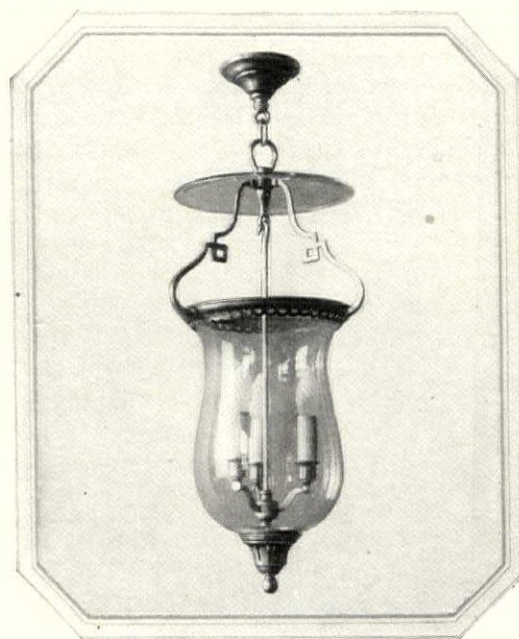
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if you cook with the gas turned off!

Every needless hour spent in a hot kitchen takes something precious out of a woman's life. It robs her of her golden leisure. Slowly but surely it saps her strength and beauty, inviting age before its time.

The Chambers Fireless Gas Range, which cooks most of the time with the gas turned off, makes this obsolete. At any time during the cooking process you can comfortably place your hand on the insulated oven or the Thermodome. They utilize heat for its real purpose—cooking your food.

That means gas bills cut in half and more hours of freedom from household toil.

After the meal is started you can turn off the gas and go away from home. When you return to your cool kitchen your food will be cooked perfectly.

This wonderful range also saves much of the usual great waste through shrinkage. Thousands of Chambers users report that they save, on every meal, from one to two pounds in the actual weight of the food they cook.

Think what savings this would mean in a month, in a year! And *better* food at the same time, for the Chambers Range cooks foods so as to preserve all their natural juices, every bit of their own delicious flavor.

Write for our valuable and interesting booklet, "Cook with the gas turned off."

MAIL THIS COUPON

CHAMBERS MFG. COMPANY,
Dept. K-8, Shelbyville, Indiana.

Without obligation on my part, please tell me how much money I can save with a Chambers Range.

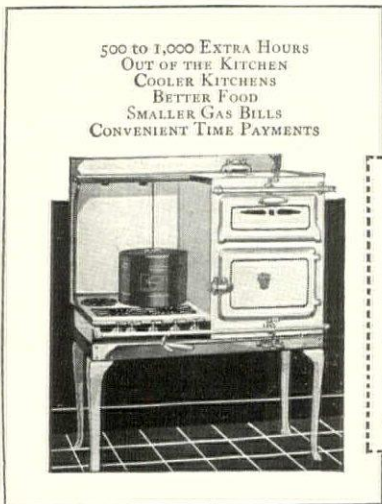
My gas bill is.....a month. I serve..... full meals a week.

Name.....

Street.....

City.....

Authorized Dealers only are Licensed to Sell Chambers Ranges



© 1926, C. Mfg. Co.

Chambers

FIRELESS GAS RANGE



Section of the Great Reception Hall, New Jersey Building, Sesqui-Centennial. Furniture, Furnishings and Decorations by J. B. Van Sciver Co.

**At the Sesqui-Centennial
See J. B. Van Sciver Co.
Rare Furniture Exhibi**

The Unique Furniture-Making Display in the Palace of Liberal Arts and Manufactures
Beautiful Colonial Interiors, Reproduced with Old-Time Charm, in the historic New Jersey State Building
Elegant Interiors, with Furniture and Furnishings of Spanish Influence in the Two National Homes Electric

There is another thrill awaiting you — a visit to Van Sciver Co.'s immense Factory-Furniture Store itself—in Camden, N. J., directly across the new Suspension Bridge from Philadelphia. Or use the Market Street Ferries which land opposite the Store. A Ten-Acre Plant housing what is probably the greatest and handsomest collection of Furniture in the World. Wondrous and varied quite beyond the imagination. The charm and the comfort of a thousand homes concentrated under one roof. Interiors that are an inspiration. Hospitable and Home-like Settings that women fall in love with. Rare Antiques, quaint Importations and plain-line Furniture. Conceptions of the Old Masters. The best from the nation's designers, as well as from our own studios and our own shops. Forty-five years as specialists in our chosen line.

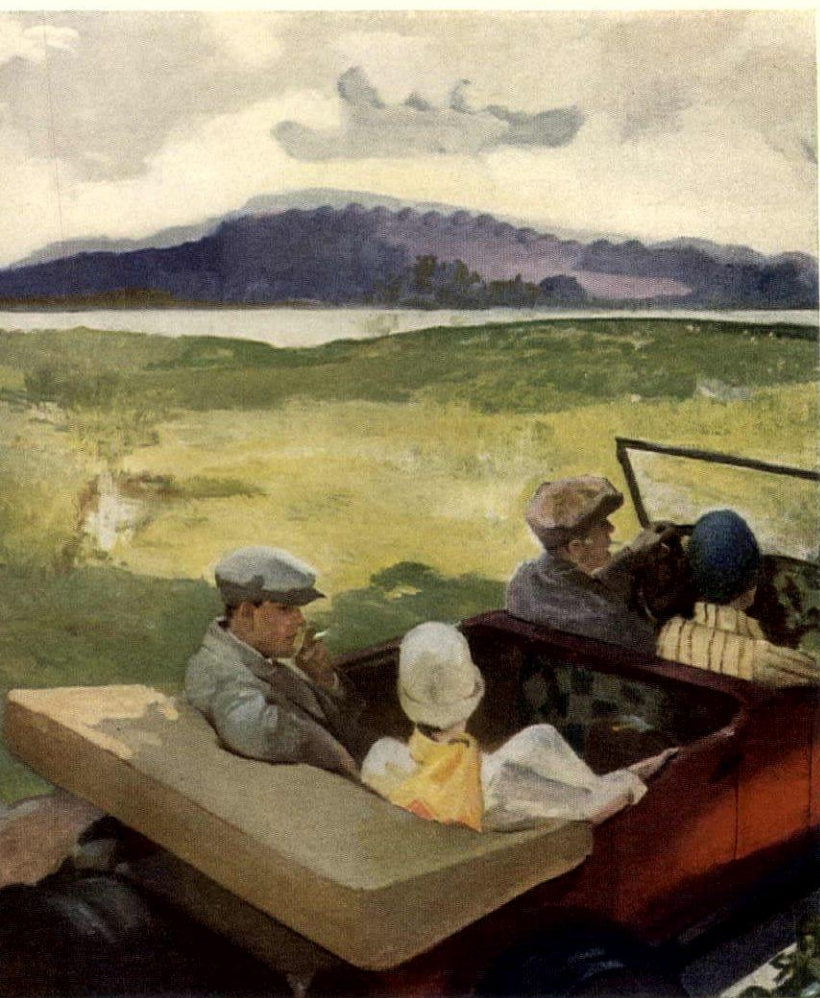
Our Interior Decorating Department is Unique in its Field

Send for Illustrated Catalogue

J. B. Van Sciver Co.

Camden, N.J.

When vacation time
has come again—and you're off in
your car for the land of
carefree outdoors
—have a Camel!

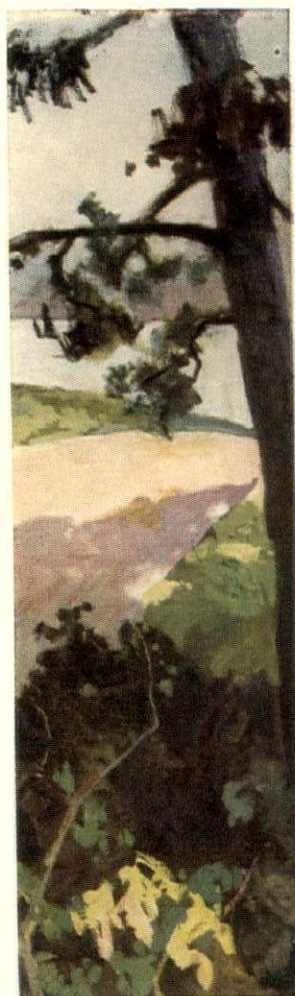


WHEN glad vacation time again is here. And you're hurrying away to a world of carefree forgetfulness. Ah, then — when straight ahead lie the great woods and sparkling waters of your own outdoors—*have a Camel!*

For Camel's friendly goodness makes every fair vacation fairer. Each happy day is more satisfying, more restful for the companionship of Camels. Camels have never been known to tire the taste—they are made of such choice tobaccos. Camels are so perfectly blended that, indoors or outdoors, they never leave a cigaretty after-taste. Rolled into Camels is more goodness, more sheer smoking enjoyment than you ever found in any other cigarette.

So as you start away for a deserved vacation. As the long road calls you on to unexplored land. When each day you feel more joyously rested—taste then the most perfect contentment that ever came from a cigarette. When it's your right to be happy, you should have the best cigarette made, regardless of price.

Have a Camel!

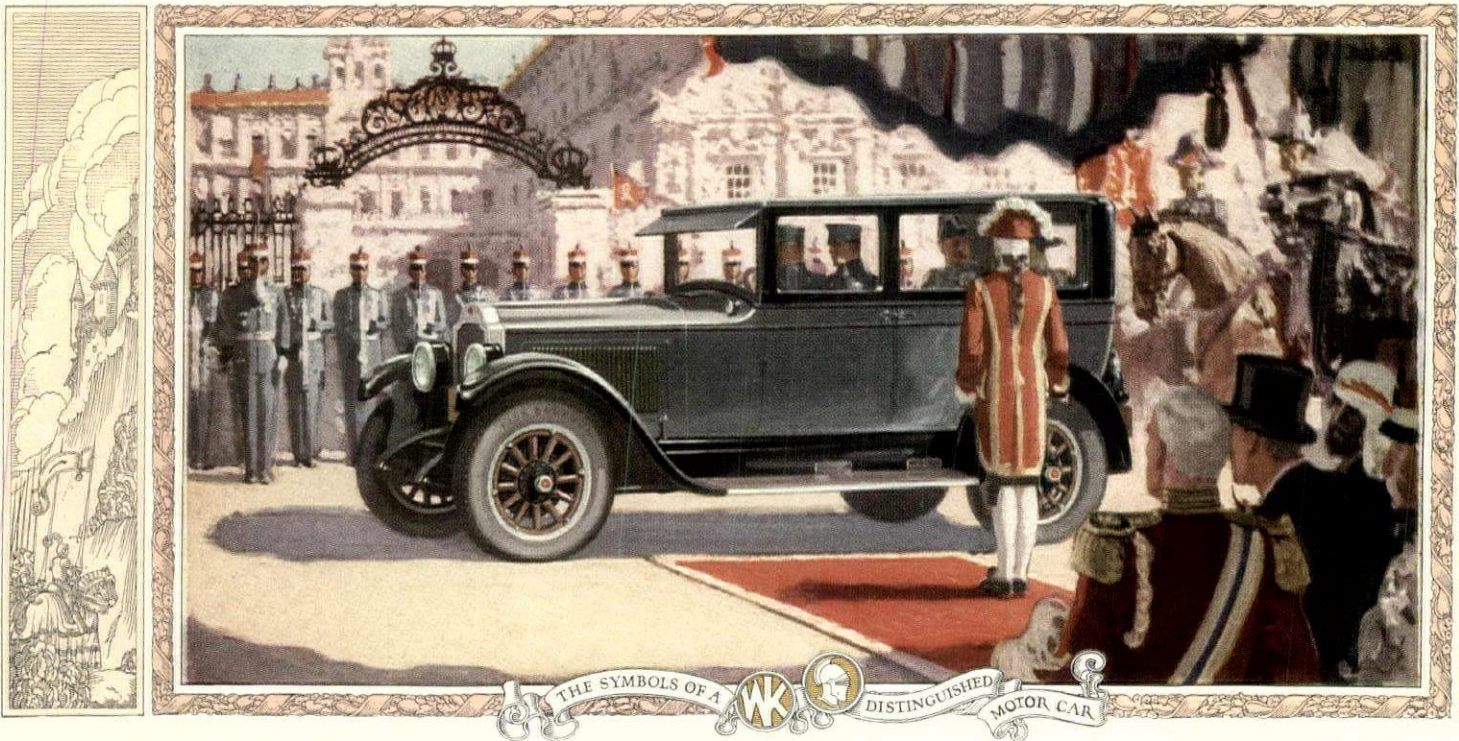


Camels are sold wherever civilization has its stores. If going into the deep woods or far back in the mountains where trade and people have not come, better take several cartons of Camels with you. You'll find "Have a Camel" the password to friendliness, everywhere.

Our highest wish, if you do not yet know and enjoy Camel quality, is that you may try them. We invite you to compare Camels with any cigarette made at any price.

R. J. Reynolds Tobacco Co.
Winston-Salem, N. C.





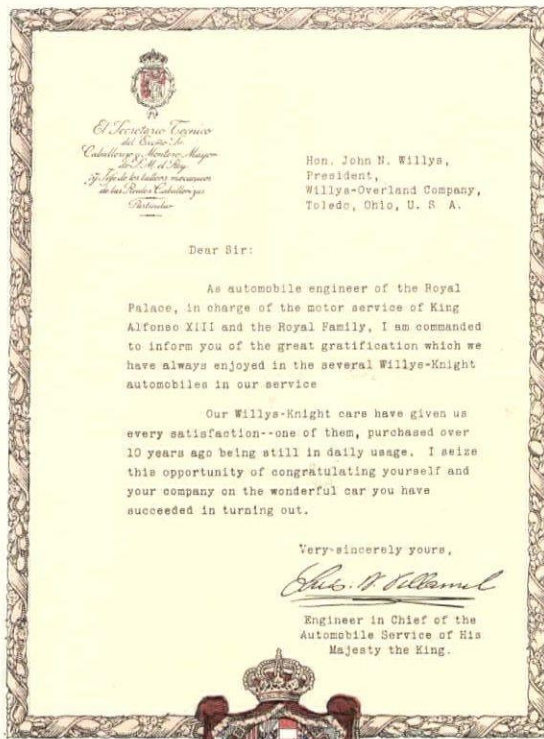
Congratulations - on a wonderful car - by order of King Alfonso XIII. of Spain

In company with that ultra-select group of world-notables who have registered in favor of Knight-motored cars for their personal use—the King of England, the Prince of Wales, the King of Belgium, and half the Ministers and Peerage of Continental Europe—now, graciously, His Spanish Majesty extends felicitations to the American-made Willys-Knight.

With the same type of patented power-plant, and building it under one and the same license, as the finest and costliest European cars—Minerva, Panhard, Mercedes, Voisin, Peugeot, Daimler-Knight (you know what these great names stand for)—the "70" Willys-Knight, by virtue of its established super-efficiency, has earned title to its distinction as the fastest and most powerful product of its size among all American-built automobiles.

No other car in America has the super-efficiency of the new "70" Willys-Knight Six. None other of its dimensions develops such phenomenal power. . .

Perfect to a point that has gained for it swift recognition as the world's highest type of high-speed engine construction, the Knight sleeve-valve engine in this car outperforms anything that ever was built of its size, or type, or class . . .



With a 2 15/16-inch bore and a 4 3/8-inch stroke, the improved Knight sleeve-valve engine of the "70" Willys-Knight Six develops greater power per cubic inch of piston displacement, throughout its entire range, than any other stock American engine built today.

In speed and power the power-plant of this remarkable car reaches a point of super-efficiency above and beyond all other stock motors of comparable size. In smoothness and quietness, in economy and long-life, it has established standards that, previous to its coming, had never been thought possible in automobile engineering design.

An unequaled union of liberal room and compact appearance, long racy effect with moderate actual length, here too is an economy of weight never before achieved in any motor-car of its type.

Don't fail to see and drive this new leader among sixes at your earliest opportunity. And ask about the Willys Finance Plan, which means less money down, smaller monthly payments; and the lowest credit cost in the industry.

The "70" Willys-Knight Six Sedan, \$1495; touring, \$1295; Willys-Knight Great Six models, from \$1750 to \$2495, prices f. o. b. factory. We reserve the right to change prices and specifications without notice. Willys-Overland, Inc., Toledo, Ohio. Willys-Overland Sales Co. Ltd., Toronto, Canada.



the new
"70"

WILLYS-KNIGHT SIX

"WITH AN ENGINE YOU'LL NEVER WEAR OUT"



When You Buy a Maytag

WHEN you buy a Maytag it will not be because of any claims made for it by the manufacturer, nor because of anything a Maytag dealer or salesman may say.

When you buy a Maytag it will be because the Maytag has proven to you, in your own home, on your own washing, that you cannot afford to be without it.

Before you buy a Maytag, test it first. Phone any Maytag dealer. He will gladly send a Maytag to your home without expense to you or obligation of any kind. If the Maytag doesn't sell itself, don't keep it.

F. L. MAYTAG, *Founder*

THE MAYTAG COMPANY, *Newton, Iowa*

Maytag
Aluminum Washer

YOU MAY think your floors look good enough but that's only because you've become accustomed to their dinginess. If you want to see them as others do, merely refinish a small spot under a rug, and compare the old surface with the new. The difference is usually amazing. Only then do you realize how much your home is handicapped by your floors—how much more attractive it could be if only those floors could be improved. They can be. With the Ponsell you improve them yourself—easily.



SCRAPE and REFINISH YOUR FLOORS yourself

This amazing little machine does all the heavy work—scrapes, sandpapers, refinishes—then keeps your floors in perfect condition forever after—costs but a fraction of *one* refinishing job.

LOOK at your floors. Are you satisfied with them? Completely satisfied? Proud of them?

You could be. You could make them ten times lovelier. You could make them envied by every neighbor—admired by every visitor. Within a day you could transform them—quickly change them from dingy surfaces, luckily covered up for the most part by rugs, to gleaming, spotless places of which you hate to hide a single inch.

"Oh no!" you say, "Not my floors!" Oh yes, we answer, *your* floors, ANY floors. The most neglected floors have possibilities. Layer upon layer of old shellac and varnish may disfigure them. Year upon year of ground-in dirt may seemingly defy removal. Yet underneath there is the clean and honest wood—the hidden warmth and color of the grain.

"But, the expense?" you say. "I've had them give me estimates. What about the hundreds of dollars refinishing will cost me?" This advertisement offers you a way to overcome that difficulty. It calls your attention to the most remarkable machine ever made for household use—a machine that refinishes floors, scrubs floors, polishes floors—a machine that costs but a fraction of what you usually pay for *one* refinishing job. With it you yourself refinish floors with ease. The apparently impossible job of taking off shellac or varnish becomes absurdly easy. The manifestly back-breaking jobs of sand-papering and rubbing in new wax turn out to be a matter of merely guiding a machine.

And this refinishing only needs to be done *once!* The floor never has to be refinished again! Afterward, a little waxing and polishing with the machine once in a while—an operation so simple that a child can master it—keeps your floors looking as though they had been refinished the day before.

This is not mere enthusiasm. The claims

we make can easily be demonstrated. In twenty-four branch offices we have men ready and anxious to show you, *in your own home*, what the Ponsell Floor Machine can do. In thousands of homes it has already won the unqualified praise of users.

It not only refinishes and polishes wood floors, but scrubs linoleum floors spotlessly clean without the least splashing. It does away with all the drudgery. Gone is the stooping and kneeling, the wear and tear on your hands of water, soap, cleaning fluids, scrubbing brushes and wet rags. Then the machine polishes the linoleum with a result far surpassing anything you have ever known; a shiny, immaculate surface that dust and dirt have a hard time sticking to.

Just what the Ponsell Floor Machine does, and how it does it, is a fascinating story. It is a story that every home-owner should read. We offer you an interesting booklet that contains it—a clear, brightly-told description interlarded with explanatory pictures. With your eyes on your floors, can you say, "No, I am not interested"? Take the first step toward more beautiful rooms. Mail the coupon or write a letter for further information on how to refinish your floors *yourself*. Ask us for a FREE demonstration—or, if you are too far from our nearest office, a ten-day FREE trial.

Ponsell Floor Machine Co.

Dept. 18

220-230 West 19th St., New York City

Please mail me complete information and prices regarding your Electric Floor Machine. This does not obligate me in any way whatever.

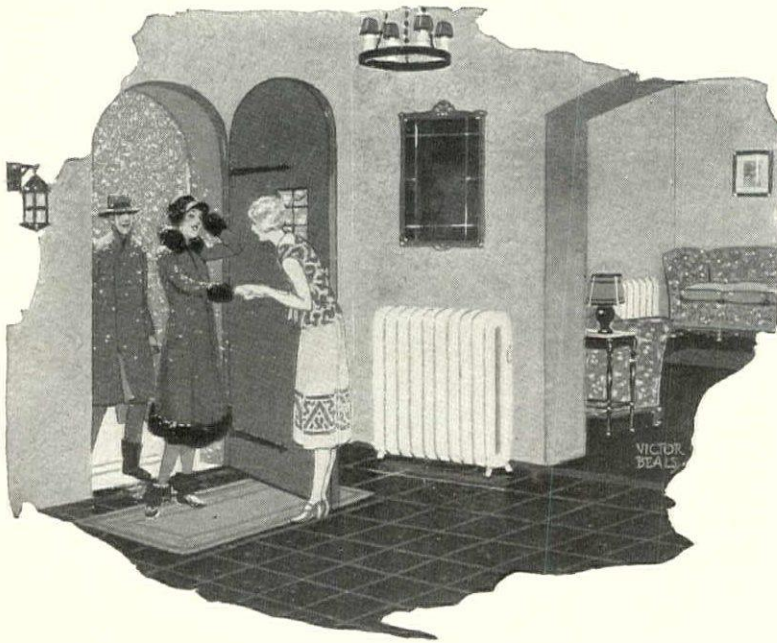
Name.....

Address.....

City..... State.....

H. & G.-8

THATCHER BOILERS-FURNACES-RANGES



Hospitality

TRUE Hospitality demands that you afford your guests every comfort while they are in your home—particularly a well-heated bedroom to dress in and a cosy warmth to cheer the breakfast hour.

With a THATCHER Boiler every room of your home will reflect a warmth, comfort and hospitality that will impress itself upon your guests.

Mail coupon below and literature will be sent regarding the Thatcher Round Boiler here illustrated.



THE Thatcher Round Boiler has proven to be the most powerful house heater for rated capacity—not only in the number of thermal heat units transmitted to the water—but in the length of time between firing periods. Write today.

THE THATCHER COMPANY
formerly Thatcher Furnace Co.

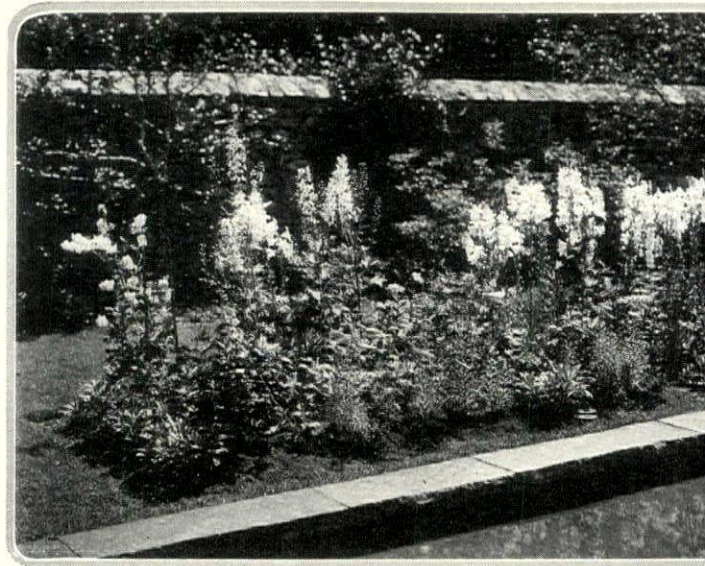
Since 1850

CHICAGO NEWARK, N. J. NEW YORK
341 N. Clark St. 39-41 St. Francis St. 21 W. 44th St.

Name

Address

State



Madonna Lilies interplanted with the taller Delphiniums make a pleasing combination. In foliage and blossom each plant forms a good foil for the other, provided the background is such as to set off their characteristics

HARDY LILIES IN THE GARDEN

(Continued from page 59)

My next experience was the making of quite an elaborate bed of Lilies of many varieties, in a low spot of rather rich soil where several former attempts had resulted in failure. The system which I worked out for this bed gave excellent results from the first. The soil was dug out to the depth of a foot; an eight-inch layer of coarse coal ashes and rotted cow manure was put in; then, four inches of soil mixed half-and-half with "run-of-bank" gravel (about half coarse sand); and over this eight inches more of soil, leafmold and sand mixed together in equal parts to which a moderate dressing of coarse bone-meal was added. This raised the bed about eight inches above the ground level, the sides being sloped and sodded. The entire surface of the bed was covered, after planting, with a thick mulch of strawy, spent horse manure.

In this bed some fifteen varieties of Lilies were planted and grew to perfection without further attention, except an annual dressing of bone-meal and a winter mulching of manure—which was left on in the spring—for many years. The location was, naturally, anything but an ideal one for Lilies; but by taking a few hints from Nature we were able to get them to do finely. Since then I have frequently found that the generous use of coal ashes and a raised bed where the ground is likely to remain wet during the winter will always bring success—other conditions, of course, being right. I consider these two things the first essentials, where conditions for bulb growing are not naturally favorable. Where the soil drainage is already very good, it is not necessary to dig out the bed, but, even then, a generous amount of coal ashes dug deep into the soil is, I think, very helpful, as it gives the soil that open, calcareous condition in which most Lilies seem to thrive; and, at the same time, the ashes hold moisture as gravel or coarse sand will not do.

And now as to the other conditions.

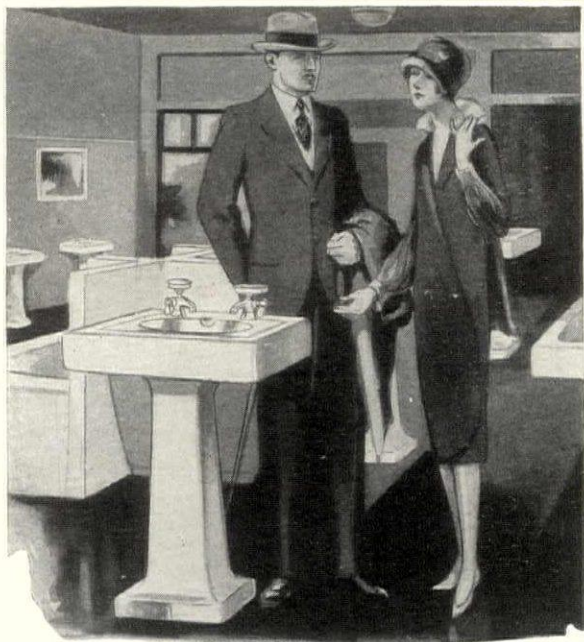
Most Lilies prefer an acid, or at least a neutral soil. This is always provided except in the case of a few varieties which are tolerant and which are noted for their tolerance. The simplest way of providing this condition is to use plenty of peat in the soil where Lilies are to be planted. Peat, which is inexpensive and easily obtained, is also did. An excellent mixture for Lilies is one part loam, one part leafmold or peat (or better, both) and one part sand and rotted manure. A sprinkle of coarse bone added to the loam to a depth of eight to twelve inches, fork coal ashes into the sub-soil, mix the soil as above, and replace. Then you may be sure you have laid the foundation for a successful bed.

This is not so much troublesome as it sounds. A large shallow box, or to the sort used for mixing cement mortar, may be used for mixing the soil on the scene of operation, keeping the lawn clean. A raised bed may be prepared with a few hours work, and as it will not need to be touched again for years, it really requires much less time and effort on the part of the gardener than do other hardy flowers. Where the Lilies are grown in groups or clumps, the hardy border or among shrubs, spare holes for them two to three feet in diameter, just as suggested.

To the gardener who will not employ the precautions suggested, but would prefer to take a chance and plant his or her Lilies in the garden soil as it is, I can only say that the least lift out a spadeful or two of soil where each bulb is to go and in coal ashes or sand, an inch or two under the bulb, and mulch the soil above it after planting.

Above it now, before we discuss the various species and varieties of Lilies available, a word or two about their place in the garden picture. Remember that they are among the most striking of all garden plants. Unlike many other flowers, you do not get a mass effect with them in order

(Continued on page 134)



Plumbing Equipment Designed in 1926

You can now have plumbing equipment of 1926 design and the new designs more than new, they are distinct improvements.

The Hays combination sink fixture with swinging spout is an example of beautiful design combined with the utmost in practical usefulness and convenience. This and the Hays Safety Strainer are illustrated at the right.

Hays has designed also new beautiful convenience in basin faucets. The left hand faucet is an unobtrusive drinking glass receptacle and on the right hand faucet is a soap dish, thoughtful conveniences that mark a difference between the modern and the

Hays is a name fifty years old and years young. It's up-to-dateness is colorful and practical by a half century of designing and building a wide variety of faucets, valves, etc., for the plumbing and heating trade. Specify Hays.

Illustrated Booklet

Every Hays plumbing equipment is illustrated and described in a new folder just issued in thousands and a copy will be sent for the asking. If you are acquainted with a local plumbing contractor we will appreciate the name.

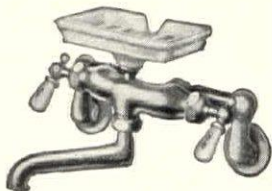
HAYS MANUFACTURING COMPANY
10th and Liberty Sts. Erie, Pa.

HAYSCO PRODUCTS
BRASS and IRON
MORE THAN FIFTY YEARS OF DEPENDABILITY



HAYS SAFETY STRAINER

Note the fine wire strainer. These wires are so meshed that not a drop, not a single drop, ever drips after you turn the lever handle. Only Hays Mova Combination faucets are so equipped.



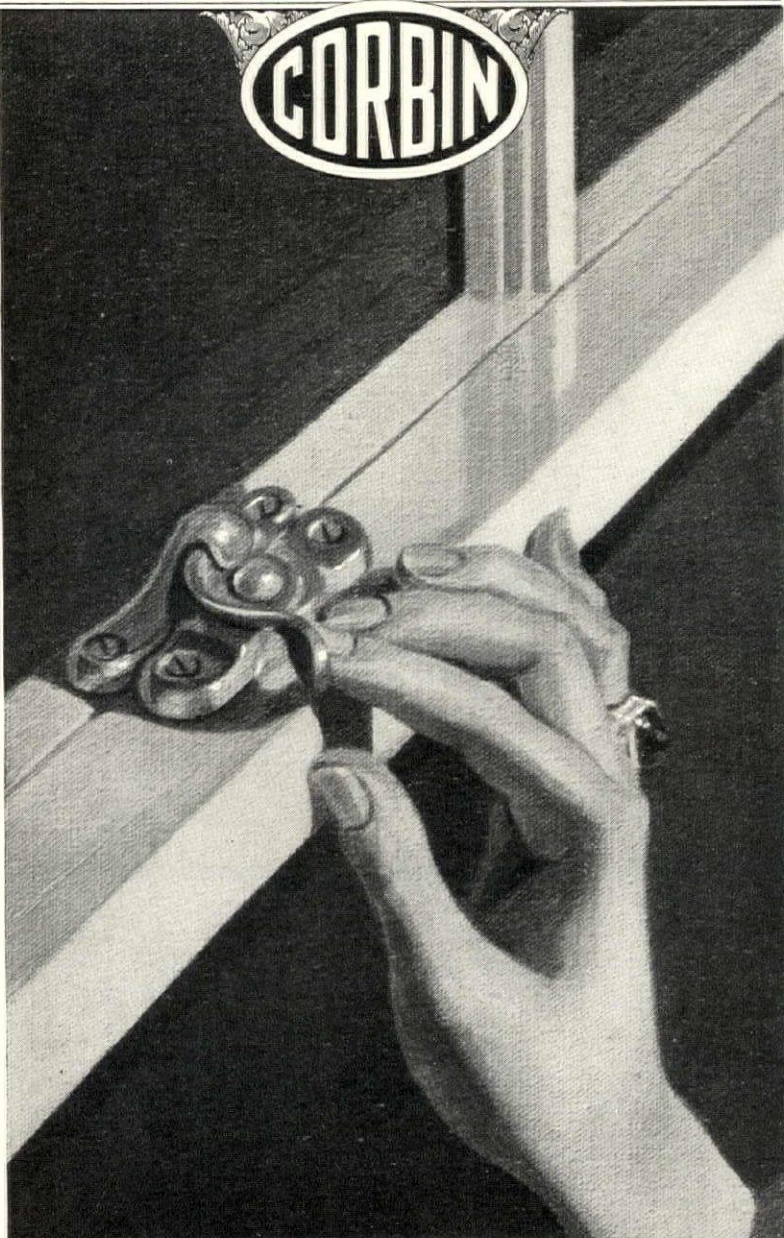
ABOVE is the Hays Mova Combination Sink Fixture described in the next column. Note Safety Strainer on end of spout.



VISIT YOUR PLUMBING STORE

Hays products are sold through the plumbing jobber to your local plumbing store. Stop in and look around. You will be delighted with the wonderfully attractive display of new things.

Good Buildings Deserve Good Hardware

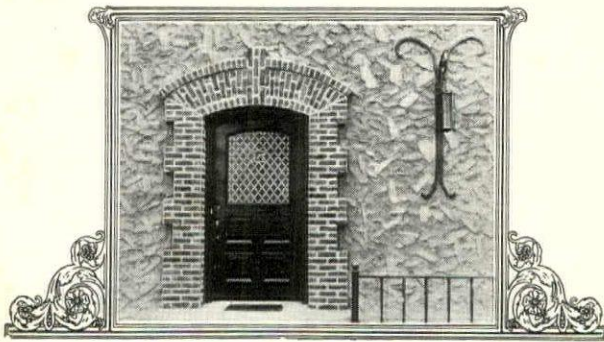


To the outsider looking in
Good Hardware—Corbin—
says "Keep Out."

Sturdy Sash Fasteners of solid brass or bronze that will not give an inch. Cylinder Locks that admit no one save their owners. Staunch Bolts to bar intruders. Strong Night Latches to guard the unprotected door.

Each made for your protection and made as only Good Hardware—Corbin, is made—to look well, to work well, to last long. Whatever your building need may be there is a Corbin answer to it.

P. & F. CORBIN SINCE 1849 NEW BRITAIN CONNECTICUT
The American Hardware Corporation, Successor
New York Chicago Philadelphia



Entrance, Cedar Rapids, Ia., Residence
Bruce McKay, Architect

The Charm of Rocbond Stucco

Textures in infinite variety, tinted walls that harmonize with the natural surroundings, surfaces of character offering play to light and shadow—these are made possible with Rocbond.

Rocbond is a Plastic Magnesia Stucco which encases a wood frame house in a weather-proof, fire-resistant sheath of stone.

Applied to concrete or masonry walls it results in a finish

of enduring beauty, that ages gracefully.

Rocbond Stucco comes to your builder scientifically proportioned, ready for use. Obtainable from progressive building material dealers.

Send for this **FREE** Book
about **Beautiful Stucco**

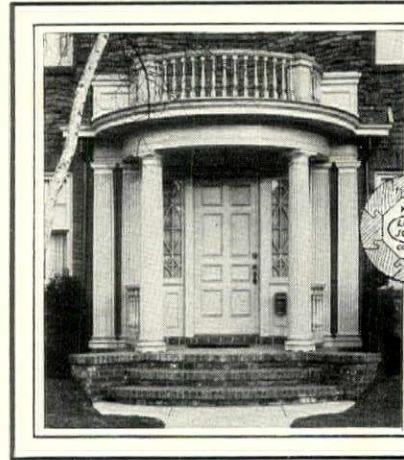
It is full of pictures of beautiful homes and tells in detail all about the use of Rocbond Stucco. Address our nearest office.

The **ROCBOND** Company

Harrisburg, Pa.

Van Wert, O.

Cedar Rapids, Ia.



The CHARM of a beautiful ENTRANCE

As a brilliant diamond lends beauty to its dainty setting, so Hartmann-Sanders Entrances add charm to many of America's finest homes.

Distinctive in every classic detail; substantial in quality; correct in architectural proportions, they enhance the value of

new or old homes far beyond their moderate cost.

Designed to your own, your architect's, your contractor's specifications. Built complete, ready to erect. Stabilized by patented Koll Lock-Joint Columns. Investigate before you build or remodel.

Write for free book, New 32-page Catalog P-51, showing model entrances, will be sent free upon request. Or send 30c for garden equipment catalog P-34. Address Hartmann-Sanders Co., 2165 Elston Ave., Chicago, Ill., Eastern Office and Showroom, 6 E. 39th St., New York City.

HARTMANN-SANDERS

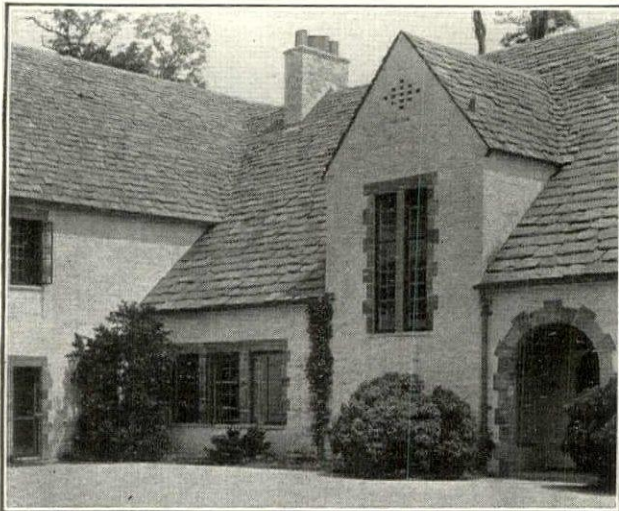
Pergolas
Rose Arbors
Garden
Equipment



Colonial
Entrances
Koll
Columns

THEY CANNOT COME APART

Olde Stonesfield Roofs and Flagging



Delano & Aldrich, Architects

If you would have the ever interesting, time toned roof harmonies, of ancient England's famed Cotswold houses, then Olde Stonesfield is your answer.

It is a roof distinctly a thing apart from others. An exclusive product of our own quarries.

Send for circulars:

- 27A—Graduated Olde Stonesfield Roofs
- 27B—Thatchslate Roofs
- 27C—Olde Stonesfield Flagging

THE JOHN D. EMACK CO.

Roof & Flagging Displays at Our Offices

Home Office:
112 South 16th St.
Philadelphia



New York Office:
17 East 49th St.



How To Get 8 Ideas on Economical Heating—

EIGHT, down-to-earth, practical ideas that will keep the flock of coal bills down to a scattered few.

The ideas came from home owners. They are experiences with ALL the different kinds of heat—fireplaces, warm air, steam, vapor, hot water. Disadvantages as well as advantages of each kind are given in "Letters To and Fro", a 34 page booklet on heating. Katharine MacDowell in one of the letters compares their boiler to their pet coffee percolator. A good bit of sound sense it is. Glad to send you a copy of this unusual booklet.

Burnham Boiler Corporation

Irvington, New York
New York Office, 30 East 42nd St.

Representatives in all
Principal Cities

Canadian Office
Harbor Comm. Bldg., Toronto
124 Stanley St., Montreal





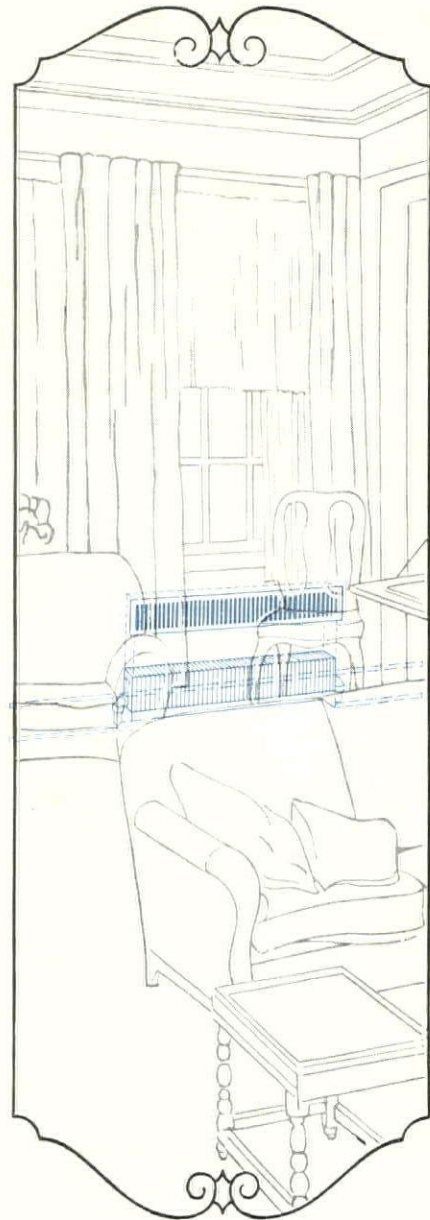
J. F.
-KERNAN-

Copyright, 1926, The Fisk Tire Company, Inc.

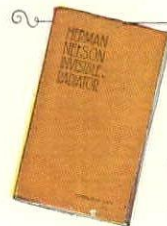
A reproduction of this design No. H-18 in full color will be sent free on request. Please be sure to specify design number when writing.
The Fisk Tire Company, Inc., Chicopee Falls, Mass.



Applied to Room. Designed by WATSON & BOALER, Chicago



How the Herman Nelson Invisible Radiator fits in the wall is shown by this phantom view. Send for the book below.



Herman Nelson Corporation,
Moline, Illinois H. G. 8
Please send me the facts about
the Herman Nelson Invisible
Radiator.

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

HERMAN NELSON *Invisible* RADIATOR

TRADE MARK

From the day your new house is completed, you never again see the Herman Nelson Invisible Radiator. Built in the wall—it will bring to your home a new era of cleanliness and beauty. Think of the pleasure of having every foot of wall space and floor space to use just as you wish; and think, too, of the satisfaction which comes from an

absolute elimination of radiator trouble; no leaky valves, because there are no valves; no repairs, because the Herman Nelson Invisible Radiator cannot even be harmed by freezing. Of course, it is built upon a new and finer principle—clean, safe, compact, indestructible. The quickest way to secure the facts is to mail the inquiry slip shown above.

THE HERMAN NELSON CORPORATION, Moline, Ill.

Builders of successful Heating and Ventilating equipment for 20 years

Sales and Service

BELFAST, ME.
BOSTON
NEW HAVEN
NEW YORK CITY
SYRACUSE

PHILADELPHIA
SCRANTON
PITTSBURGH
GRAND RAPIDS
DETROIT

CHICAGO

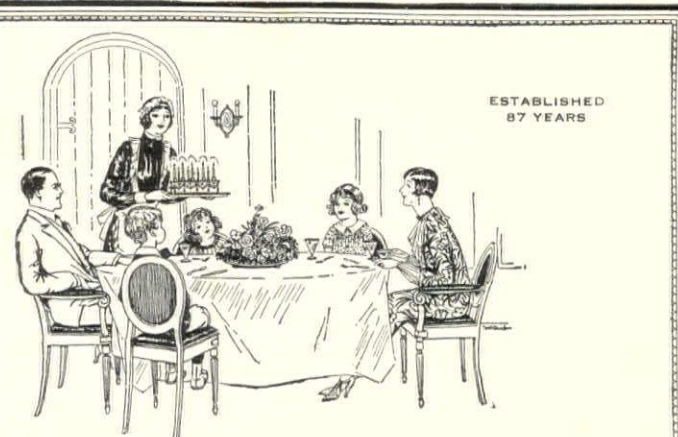
CLEVELAND
COLUMBUS
TOLEDO
INDIANAPOLIS

DES MOINES
MILWAUKEE
MINNEAPOLIS
ST. LOUIS

SAN FRANCISCO

EMPORIA
OMAHA
KANSAS CITY
DENVER
SALT LAKE CITY

SPOKANE
PORTLAND
SEATTLE
VANCOUVER
TORONTO



ESTABLISHED
87 YEARS

Dean's

BIRTHDAY CAKES

SUMMER or winter, autumn or spring, for birthdays come in every season—there must be a Birthday Cake for the celebration. In the country as well as in town one may have Dean's famous Birthday Cakes. They are shipped everywhere successfully. Postage prepaid anywhere east of the Mississippi on orders over \$3.

*So many varieties and attractive designs—
write for our "Birthday Cake" Booklet.*

628 FIFTH AVENUE, NEW YORK



REPRODUCTION OF A NEW ENGLAND WHALE OIL WALL BRACKET. CAN BE FURNISHED IN EITHER COLONIAL BRASS OR PEWTER.

CASSIDY COMPANY

INCORPORATED

Designers and Manufacturers of Lighting Fixtures
Since 1867
101 PARK AVENUE AT FORTIETH STREET
NEW YORK CITY

Wm. H. PLUMMER CO.
NEW YORK
WILEY GREEN
103 BROADWAY

Catering since 1895 to the Highest Clientele

*Spode's Reproduction
of the original "Old Bow"*

*Quaint and colorful is the well-known design—
pictured—suggesting the dignity and leisure
of another age—*

*Luncheon Service for Six
Forty-Six Pieces Forty-Five Dollars*

ALSO IN OPEN STOCK
H.G. 6418

MAIL ORDERS RECEIVE PROMPT AND CAREFUL ATTENTION

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954 Chapel Street

HARTFORD, CONN.
36 Pratt Street

Wm. H. PLUMMER & Co. Ltd

IMPORTERS OF
MODERN AND ANTIQUE
CHINA AND GLASS

7 East 35th Street
Near 5th Avenue
New York

*Spend a month's
vacation
every week-end!*

Elco
MOTOR BOATS

WITH an Elco Cruiser every week-end becomes a wonderful vacation chock-full of new thrills and adventures. You can anchor in one picturesque cove today, and cruise on to other beautiful and romantic spots tomorrow. No dust—no crowds—no seething traffic. You are free from all cares . . . and always cool and comfortable. And remember—the costs of cruising are no higher than you would pay for the ordinary vacation.

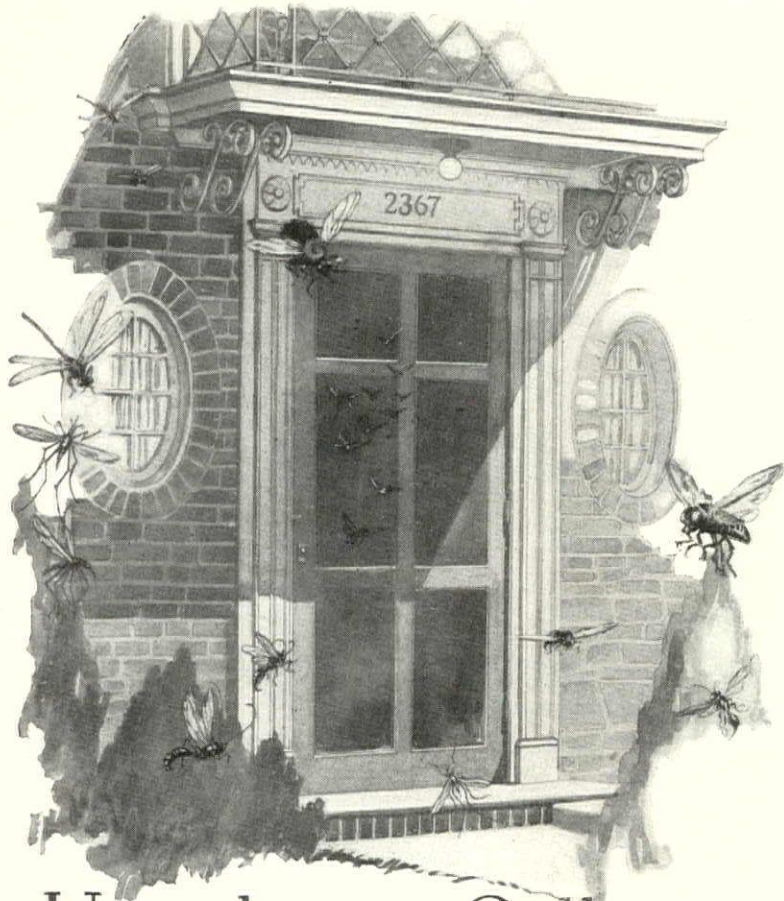
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Unwelcome Callers at Your New Home This Fall

FLIES and mosquitoes do more damage to a new home in the Fall than any other time. You will be entertaining these unwelcome visitors in your new dream home unless you keep them out with good screens. Don't wait till Spring to put in screens. Do it now!



Good screens are not to be picked up quickly in the neighborhood but should be chosen with a thought to artistic value and practical use. They should be purchased from a responsible screen manufacturer — a specialist in the line. Good screens correctly designed and thoroughly made of durable materials are a satisfaction and a good investment.

The screen manufacturers listed below have been in the business from twenty to forty years. No matter where you live you will find an expert representative of one or more of these manufacturers ready to give you estimates, offer suggestions or attend to the whole screen problem himself.

Send coupon and our Secretary will put you in touch with the representatives in your city.

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- W. J. Baker Co., Newport, Ky.
- Bostwick Goodell Co., Norwalk, Ohio
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- Cincinnati Fly Screen Co., Cincinnati, Ohio
- Higgin Mfg. Co., Newport, Ky.
- Kane Mfg. Co., Kane, Pa.
- Orange Screen Co., Maplewood, N. J.
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↓

The Screen Mfrs. Assn. of America,
458 East McMillan St., Cincinnati, Ohio
Gentlemen: Please send me full information regarding screens.

Name.....

Address.....

City..... State.....

HARDY LILIES IN THE GARDEN

(Continued from page 130)

joy their great beauty. In Nature they are seldom found in great quantities together. A single Lily, standing out against a background of evergreens, a hedge, among shrubs, or making a charming contrast with a group of some other tall flower such as Delphiniums, may add more to the real beauty of the garden than an entire bed. Study your garden most carefully to select the spots—not too many—where Lilies are to go; and then usually plant not over six or a dozen in a place; two or three will often look as well. Spend the extra amount on additional varieties, which will give you a longer season of the beautiful flowers; they may be had in bloom from early June until October.

In the following brief descriptions, arranged with the view of helping the beginner to select intelligently rather than to do justice to the wonderfully varied beauty of the several sorts, the distinction is made between base-rooting and top-rooting species. The former, forming roots at the base of the bulb, should be covered comparatively shallow—about twice the vertical diameter of the bulb, or two to four inches; the latter, which form a circular mass of roots above the bulb as well as at the base, should go deeper—three or four diameters, or eight to ten, or even twelve inches deep.

As it is well to select varieties differing in season of bloom, three groups have been made—early, medium, and late flowering.

Early Lilies: *Hansonii*, one of the earliest; prefers a little shade; bright orange, stem-rooting. *Candidum*, the popular pure white Madonna Lily; one of the finest and easiest to grow; secure "North of France" bulbs; plant as early as possible; cover only two inches deep. *Canadense*, and *canadense flavum* (yellow) one of the most graceful of all; very hardy, base-rooting. *Testaceum*, the Nankeen Lily; somewhat similar to *Candidum*, but a delicate buff shade; tall and very graceful; plant same as *candidum*; base-rooting. *Monadelphium*, free bloomer when established, capricious grower, shades of yellow; medium height; base-rooting. *Umbellatum* and its varieties, orange, apricot, crimson; medium height. Martagon, six feet, when established, deep purple; base-rooting. *Croceum*; any soil; full sun or shade; orange flowers and extra good foliage; stem-rooting. *Elegans*, orange-red (*thunbergianum*) and *elegans* varieties; blood-red, apricot, brilliant orange, and buff colored; all dwarf, beautiful varieties, thriving in sunny locations; *elegans* Prince of Orange

grows less than a foot high; eight inches deep; stem-rooting. *Tenuifolium*, dazdling red, medium height; extra early; soil and semi-shade; stem-rooting. Golden Gleam is an apricot variety.

Mid-season Lilies: *Regale phyllum*), finest of the mid group and one of the most beautiful and satisfactory of all Lilies; white with golden center and white bands on outside of stem-rooting. *Sargentiae*, sort similar to *regale*, but blooms fine to follow; *Regale*; very *Superbum*, reddish orange, hardy; damp location preferable; not necessary; base-rooting. *Candidum*, brilliant color, very grown. *Pardalinum*, the L. Lily, very striking; bright orange maroon spots; 6 to 7 feet; very but requires excellent drainage; root; there is a bright yellow *roezlii*. *Willmottiae*, quite orange red, vigorous grower; p. wind-protected position, eight deep; stem-rooting.

Late-flowering Lilies: *Auratum*, the Goldband Lily; huge but artistically shaped white flowers with crimson splashes and golden through each petal; vigorous grower but likes heavy mulching and shade; plant very deep—a foot too much; stem-rooting; *Macrauratum* is a more vigorous growing form of *auratum*, with white flowers and yellow. *Speciosum* and its varieties are among the most satisfactory of all Lilies for the garden; the irregularly waved flowers are most artistic and the time of bloom is quite long and white and deep ruby colored variety of which the latter, *speciosum nificum*, is the finest. *Album zeri* is snow-white, with yellow green band through each petal. *Tigrinum*, the well known Tiger Lily is the hardiest of all; grows in weed, often escaping to form colonies on dry banks; base-rooting; several varieties, of which *splendens* is one of the latest flowering of all. *Henryi*, a vigorous grower, six to eight feet, is one of the most dwarf of all; a rich orange-yellow; graceful form; extra fine; p. shade and wind shelter; plant deep, 10 to 12 inches; stem-rooting. *Batemanii*, pale orange shading pink, medium height.

The Lilies which will grow in neutral or ordinary garden soil include *candidum*, *speciosum*, *regale phyllum*, *testaceum*, *henryi*, *hansonii*, *martagon*, *monadelphium* and *croceum*; but even these, as well as others, do better in an acid soil.



Dustless and Beautiful Drives with Solvay



*Keep
your drives worthy
of their beautiful
surroundings!*

LIKE the final polish on a costly gem, a driveway treated with Solvay Flake Calcium Chloride is the finishing touch to any beautiful estate. Solvay completely eliminates dust and positively preserves the road.

Solvay Flake Calcium Chloride is spread on the surface of the drive and is quickly dissolved in the moisture which it attracts from the air. This moisture is incorporated in the road surface and maintains it in a slightly damp condition which prevents the formation of dust, and binds the surface. The Solvay-treated road is smooth, firm and weedless.

Tennis courts treated with Solvay are firm, dustless and fast-playing; free from weeds and sun-glare. The championship courts of Forest Hills, Germantown and Longwood are Solvay-treated.

Anyone can apply Solvay, no special equipment is necessary; just open the bag or drum and spread the material evenly over the surface—that's all!

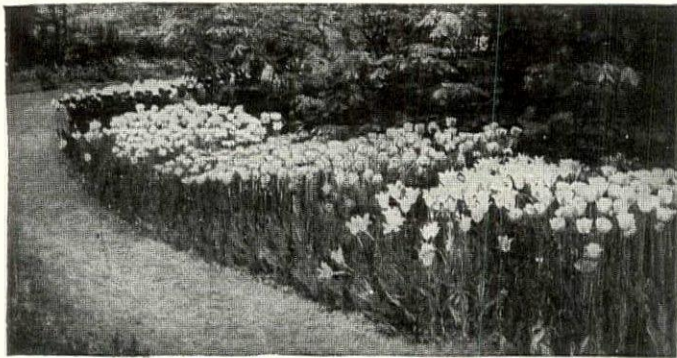


Solvay Flake Calcium Chloride is sold in 100-lb. bags and 375-lb. drums from 75 conveniently located distributing centers.

Write for booklet No. 1357.

THE SOLVAY PROCESS COMPANY

Wing & Evans, Inc., Sales Dept. 40 Rector Street, New York



Joys of Springtime!

Flowers that will delight you from the last snow till June brings her roses

WHEN the first sweet breath of Spring is in the air trooping up through the last melting snow come the joyous faces of all these fairy flower folk to wish you a merry Springtime.

Hundreds and hundreds of them!—dainty snowdrops and Grape Hyacinths, wood Hyacinths and winter aconites. Blue bells and Chionodoxa. Then the yellow Daffodils and lovely Narcissi, nodding on tall stems, and last the glory of the stately Tulips, each a living song in praise of Spring. What pleasures of anticipation. What joy of realization will be yours if you plant these collections this Fall!

Note—These are all top size, first quality bulbs in collections of named varieties—not mixed. Plant each variety separately and learn to appreciate its individual charm and beauty.

100 Single Early Tulips in 10 named varieties.....	\$ 6.00
100 Double Early Tulips in 10 named varieties.....	7.00
*100 Darwin Tulips in 10 named varieties. Immense flowers on stems 2½ feet tall.....	5.00
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*100 Breeder or Art Tulips in 5 rare named varieties. In form like Darwins, wonderful pastel shades.....	7.50
100 Grape Hyacinths, Heavenly Blue—Delightful in the Border or Rockery.....	4.00
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100 Glory of the Snow—blue (Chionodoxa) loveliest of earliest Spring flowers for naturalizing.....	3.75
*100 Poet's Narcissi.....	9.00
100 Crocus, in 4 colors.....	3.50

Total Value\$59.25

The above SPECIAL OFFER collection \$50.00 of 1000 choice bulbs

*Bloom in May and June. All the rest bloom in April and May,—the Crocus earliest of all, as soon as the snow melts.

TWO SPECIAL BULB OFFERS

Very exceptional values at these prices

100 DARWIN TULIPS \$3.50

Choiceest, first-class bulbs, soon to bloom. Special mixture made up especially for us from ten of the finest named varieties—not at all the ordinary field-grown mixture usually sold.

A \$6.00 value for only \$3.50, or if you prefer, 50 bulbs for \$2.35

The Heralds of Spring

200 of these lovely Spring beauties 25 each of \$6.50 the following 8 named varieties for.....

Snowdrops (Single); Glory of the Snow, Blue; Grape Hyacinths, heavenly blue; Blue Squills (Scilla sibirica); Blue Bells (Scilla campanulata); White Blue Bells, Wood Hyacinths (Scilla Nutans); Winter Aconites.

N.B. Send for our Bulb list—many other enticing values offered and described.

Schling's Bulbs

MAX SCHLING SEEDSMEN, INC.

618 Madison Avenue, near 59th St., New York City

THE NATURE of ALPINE PLANTS

(Continued from page 84)

stems, all is very different above the snowline. To a very long winter which often lasts nine months, sometimes even several years, (for there are some deep glens covered with vegetation which remain under the snow sometimes for a period of several years) there succeeds all in a flash a short summer, but one extremely favorable to the growth of the plant. Light, heat and moisture are prodigally lavished on the plant, which then after a long period of rest enters at once into the full glory of the long days of summer without having to pass through the spring.

WHEN SUMMER COMES

At the breath of the southwest wind, of the "sirocco" or of other warm breezes with which each chain of mountains is endowed, the snow disappears, the brown carpet of the world changes, and in a few days, sometimes in a few hours, it takes on an emerald tint. As if by magic all the world awakes, lives, grows and bursts into bloom. On every hand the busy insects fly, powerful allies of fertilization without which many varieties would be doomed to sterility. Some plants are then so ardent in their desire to unfold their corollas that they cannot await the moment of the final melting and push through the bed of snow that their stems, thanks to their dark tint, have had the power to pierce. We have often seen this phenomenon among the Soldanellas and the Crocuses in the Alps or on the Jura.

One might ask how this can be possible since, during eight or nine months, the plant has slept under its mantle. To this statement, which is not exact but which is generally admitted, we reply that the plant does not pass the winter in a state of perfect repose. Life continues to flow in its veins. The sap is moving there, though but slowly, and the plant begins to grow.

Will you have the proof? I noticed some years ago on one of the Eastern slopes of the Jura a clump of Soldanellas just at the moment when they were going to be overtaken by the winter. This was at the end of October and the next day the snow fell and remained upon the ground for six consecutive months. At the moment when I made this observation the plant had ripened its seeds and the sap within it lay dormant, withdrawn into the roots. Not a bud was in the center of the clump; it appeared to be at the point of subsiding and of exhaustion. In the early days of spring I returned to the spot, lifted the snow with an ice axe and found the same plant, which I had marked in the autumn, carrying some buds and flowers in the heart of the clump, though they were very small at that time. It had formed these buds during the winter under its covering of snow even as the great trees in our forests enlarge their buds during the winter. Though the cold be extreme, one may see them increase in size each week. Life is not then reduced to a state so latent as it is generally believed to be; the fact of the

Soldanella and the Crocus while pushing through a bed of snow is proof most positive.

We have seen that the plant has all the roots, and there are among the plants of the high Alps devote themselves exclusively to flower and the organs of reproduction, the development of which contain the organs of reproduction being generally postponed to the end of the season during the ripening of the seeds. After a long repose of winter, a period of active repose as we have seen, the plant embarks upon a period of renewed activity. The days have become sometimes sixteen consecutive of light, clear and strong. The sun is more powerful than with us, is abundant water, be it in liquid form or in dews and mists. Light and moisture, all in the greatest abundance, a profusion of rootlets that work incessantly.

Let us now look into the causes which tie the plants to the ground and dwarf them.

SOME GLORIOUS HABITS

In the beginning, and then, when well-established, it is during the summer that the plants grow and expand their tissues. Their growth by day is in inverse ratio to the power of the sun. But, the Alpine nights being long, we see that nocturnal growth is the rule. The question for the plant is not high Alps. It is only in the summer twilight that they can grow and develop. That accounts for the shortened internodes, for the stunted character of the stems and branches. The great heat and the intensity of the sun in our high altitudes regulates the formation, the enlargement and the vivid color of the flowers. It hinders the development of stems and of leaves. These organs have to wait until the period between the setting of the sun and the chilling air which descends at night. The plant makes up for its delay in the latter part of the season. Those warm and cloudy days which precede the arrival of winter take advantage of them to produce new leaves and new shoots. It is also true of the flora in the high regions which possesses a greater number of varieties similar to those of our Alps. They are clothed in a somewhat different from our own, as the light of the sun is even more intense there, more constant, lasts only half of the year. It is more diffuse because the rays of the sun are less direct, and the atmosphere is much heavier than ours. The stems are longer, the color is more vivid, the leaves more tender, the flowers smaller. We have in our mountains some specimens of Arctic plants and others of Alpine origin, very common to the two countries. The same variety of plant clothes in quite different form according to whether it grows on the Alps or in the frigid zones. There is for example the *Silene Acaulis* which is less on our Alps, while in Lapland it is quite different; its flowers are quite different. (Continued on page 138)

New and Rare Plants Readily Found at HICKS

SOMEWHERE a master and mistress of a new home are longing for unusual plants for the garden that is to be.

Somewhere a skilled gardener is searching for the new plants that have come into trade during the past few years.

Somewhere a connoisseur is inquiring among his friends about rare plants to add to his collection.

These—and many others—can have their planting problems solved by Hicks Nurseries.

A Hint of What Can Be Found at Hicks

Spreading Cotoneaster (*C. divaricata*) feeds the birds all winter with little apple-like fruits; extra good plants \$2.50 each.

Vernal Witchhazel (*Hamamelis vernalis*) blooms in February, with small red and yellow flowers. Plant 2 to 3 feet high, \$1.00.

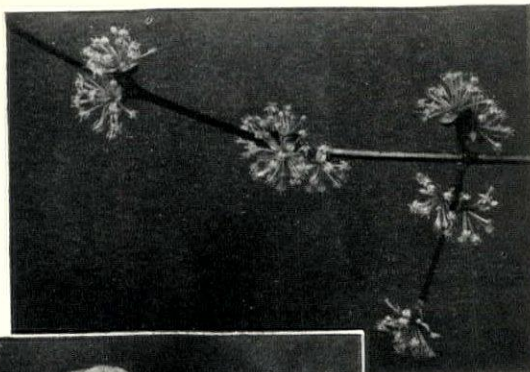
Cornelian Cherry (*Cornus mas*) a glow of yellow in early April. Plants 2 to 3 feet high 75 cents each.

Asiatic Sweetleaf (*Symplocos paniculata*) known also as Turquoise Berry, has robin's-egg blueberries in autumn. A rare small tree from 12 to 15 feet high. Good plants, 2 to 3 feet high, \$2.00 each.

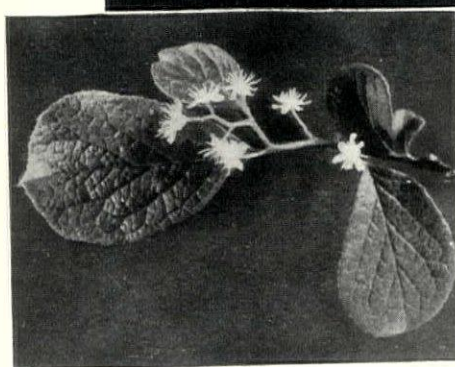
Half a score of new Barberries are available; a collection of Cotoneasters; a new Yew (*Taxus media Hicksi*) which is perfectly hardy in New England; Myers Juniper with silver and crimson foliage; Scotch Heather in variety.

We shall be glad to send you further information about Hicks rare plants, evergreens, shade trees and flowering shrubs.

Our nurseries are open daily (except Sunday) to visitors. You will enjoy looking over the rare plants; most specimens are labeled, so you can readily decide on the kinds you like.



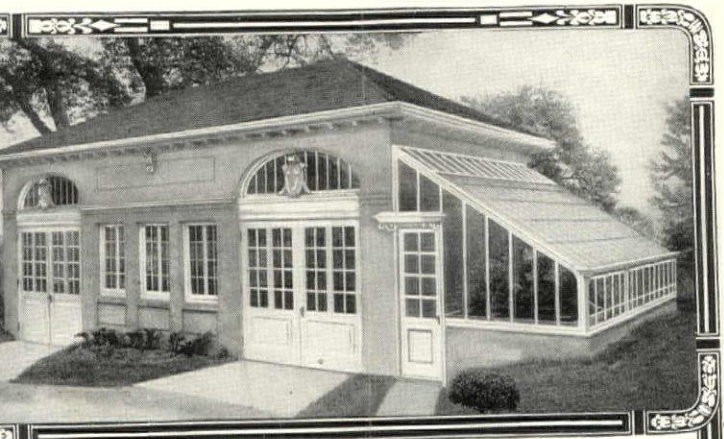
Cornelian Cherry



Asiatic Sweetleaf Flower and Foliage

HICKS NURSERIES

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Why Not A Leanto Greenhouse Against Your Garage

THE very first greenhouse ever built in this country, was a leanto, called then a "Sun Shed." A wealthy old Dutch New Yorker, built it against his stable on his country estate, located in the vicinity of present Twenty-Third Street.

There are distinct economy advantages in such a greenhouse, both as to building, and cost of running.

This particular subject, along with some half a dozen others are shown in a booklet called, *Some Help Hints On Owning Your Own Greenhouse.* Send for it.

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Millions of Daffodils

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Use them freely in lawn and garden. Naturalize them by hundreds and thousands where their beauty will enliven the landscape.

There is No Shortage of Narcissus

in our fields. Millions of healthy bulbs can be supplied for prompt shipment. Prices are reasonable, too.

These Four Varieties Increase in Value Year after Year

Conspicuous (Barri). Yellow petals, cup yellow edged red. \$6 per 100. \$50 per 1000.

Minnie Hume (Leedsii). White petals, lemon yellow cup. \$6 per 100. \$50 per 1000.

Recurvatus (Poeticus). White perianth, red eye. \$4 per 100. \$30 per 1000.

Alba plena odorata (Poeticus). Double, pure white. \$7.50 per 100. \$60 per 1000.

Mixed Varieties (Unnamed) for cutting or massing. \$5 per 100. \$40 per 1000.

If you have a town lot, or a small field, you can make it pay handsomely by growing Narcissus flowers for sale locally or to ship to large cities.

Scores of other Daffodils, Tulips, and Iris are listed in my booklet, with other valuable garden material. Send for a copy.

GEORGE LAWLER

R.D. 6, Gardenville, Tacoma, Wash.



THE NATURE of ALPINE PLANTS

(Continued from page 136)

smaller and are carried on stems measuring three to four inches in height.

There are, however, other reasons which explain to us the compression of the forms among plants of high altitudes. The storms and the winds, which there are of great violence, would break every stem which lifts itself above the ground. The radiation of the frosty nights also forces the plant to seek a shelter near the earth, its natural protector, which retains more heat than the air. Later the dryness of the air, when all the snow has disappeared and the heavy dews of the morning alone give to the plant the moisture it needs, moisture which the porous soil of the mountains absorbs, again forces the plant to lean upon the ground to claim once more its protection.

The ground in which the plants of the high mountains grow is likewise different from that of our lowlands. In the crevices of the rocks, at the foot of the cliffs, in lonely ridges is found a humus, porous, black, rich in vegetable material and almost without organic constituents. This earth is characteristic of the mountains and it is formed in a manner most interesting and remarkable.

Let us climb together, if you will, to the summit of the limestone mountains which are in the neighborhood of Geneva. The Vergys in Savoy, for example. There we find great blocks of fallen stone or crevices scamed and worn by the action of water and the weather. These crevices, more or less marked, go in every direction. In many places they become so deep that they divide the rocks in two parts.

In each of these openings we find a vegetable growth perfectly established and more or less varied. While in the more recent and less accentuated places we find only Lichens, some Mosses or other cryptogams, the oldest ones give a resting place to higher types and even to some kinds of trees. In the little fissures one does not yet see the earth. The Lichens established themselves on the rocks, whose moisture together with that of the mineral substance to which they are joined, suffices for their existence. The Mosses, more highly organized, richer in tissue and demanding more nourishment than the Lichens, come to dwell in those deeper openings upon the remains left by the decomposed Lichens. In the largest and oldest holes, we see the phanerogams burying their roots rich in nourishing substance and which

in the largest cavities we find in a blackish peaty humus, which sustains the life of a great number of sometimes highly developed plants. This excellent black earth increases each year, so we can understand how the vegetation becomes and becomes largely distributed. Time goes on.

Upon the granite and in the crevices of volcanic rock, things are different. There we find fewer holes formed by water chinks and openings. The rocks are broken in straight lines for the rectilinear breaks. It is for little cornices with little overhangs, hard and rugged, after the fashion of small roofs, that protect special growth. A ceaseless work of freezing and thawing, droughts and moisture is carried on the hardest rocks. First the surface of rocks is detached, and then they rejoin in the valley the debris which has accumulated for centuries. The wall from which it separated is absolutely bare and maculate. It seems impossible that any plant could come to climb and live. Yet at the end of a few years, perhaps a half century, the vegetation could return to visit our rocks. We should see it adorned with its different colors, its roughness being more or less green.

These are not alone the lichens whose spores have been brought by the wind, and which have been deposited under the influence of the wind. But these lichens have established themselves and taken on more and more. They become thicker from year and they will soon form a carpet of more and yet more depth. The soil will then be transformed into a rich soil. Into this soil, one day or another, a seed or plant more developed will come and be able to germinate, led into these places by one of the numerous means of entering seeds which nature employs: the rain or the birds. The plant increases in size, its leaves decompose little by little. Its seeds fall around it and they in the end will germinate, and before a new stand of plants will animate the arid and one-time sterile rock.

It is in this manner that the vegetation advances, and has been where installed itself, thanks to the presence of the lichens which are precursors and promoters of vegetable life. The lichens, so varied and numerous, have their importance to play in the economy of nature.



Peonies— For Your First Planting

We call this our "Backbone" Collection because each variety will always have a place in every well-selected Peony planting. It is a permanent investment in Peony satisfaction.

Each is an Approved Variety. The roots will be strong divisions from mature stock of Approved Quality, especially grown to give quick-blooming results.

This "Backbone" Collection, \$15.00 The 12 Best Peonies at Reasonable Prices

JAMES KELWAY. Fine, flesh white, early...	\$1.50
MARIE JACQUIN. The waterlily white, midseason.	1.50
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OCTAVIE DEMAY. Dwarf light pink, early.	1.00
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REINE HORTENSE. Very large hydrangea-pink, midseason.	2.00
MME. EMILE GALLE. Delicate flesh-pink, late midseason.	1.00
CLAIRE DUBOIS. Very large violet-rose, late.	1.00
SARAH BERNHARDT. A divine pink, late midseason.	2.50
KARL ROSENFELD. King of the reds, midseason.	2.00
ADOLPHE ROUSSEAU. Gorgeous dark red, early midseason.	1.50

All 12 Approved Varieties - \$15.00

Send your order now for this best-of-all Peony Collection to be shipped by express for early September planting. Or, you may select from the above at prices quoted.

FREE Catalog of Approved Peonies

Our Approved Peony List represents our selection of the tried and true "aristocrats" of the peony world, based on personal experience in growing hundreds of varieties.

Every root from our plantings must also be of Approved Quality. Stocks are selected both for vigor and quality of bloom, and are grown to maturity before being dug.

Write today, before you forget, for our 1926 Approved Peony Catalog. It also contains comprehensive lists of fine Irises, Gladioli, Tulips, Lilies and Phloxes.

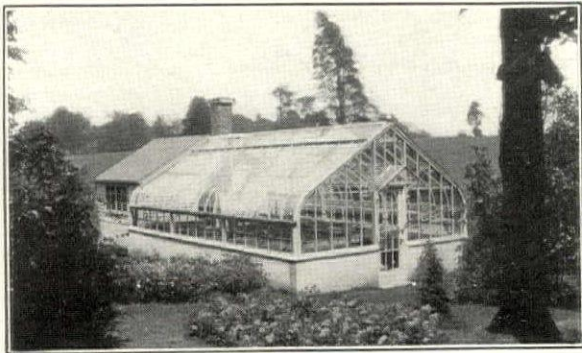
Visitors always welcome at our Farms, one mile west of Baldwinsville on the Rochester-Syracuse highway.

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Harry F. Little, Vice Pres. and Gen. Mgr.

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FOR SALE A Choice Piece of Perpetual Summerland

FORTUNATELY for you, its location is one that will exactly suit you. As for size, it is neither too big nor too little, but one that just fits your requirements.

In an almost mystic way, this available bit of perpetual summerland is always flower-filled. Sometimes it is filled with those lovely old-time favorites of our Colonial days. Then again, it is queenly roses and exquisite gardenias. Or, if you like, literally floods of sunshine-filled daffodils. And of course, violets and orchids, with juicy peaches and thin skinned succulent grapes, ripened months before the outdoor ones.

As for the cost of this piece of perpetual summerland, that is a detail that can be arranged entirely to your satisfaction.

At your suggestion, we will gladly call and talk it over, or if you prefer, will send you an informative piece of printed matter.

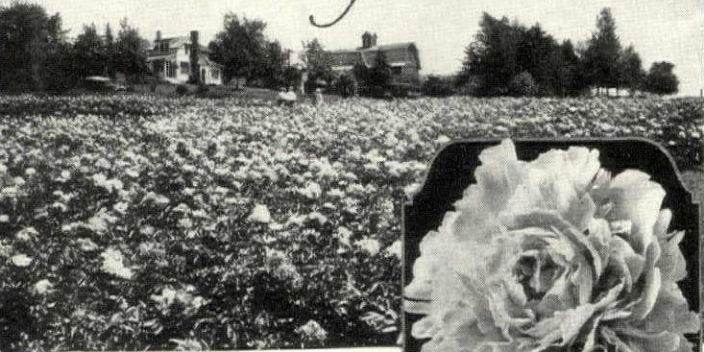
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Brand's Peonies



Acres of Beautiful Blooms

The above view of one of the Brand Peony Farms was taken the last week in June, 1924, a week after the National Peony Show at Des Moines, Iowa.



The World's Most Beautiful Peonies

NEVER before in our more than fifty years growing peonies have we had such an unusually large assortment of wonderful choice varieties as we are offering for this fall planting. Flowers from this stock, competing with those entered by all other growers, won the three highest prizes at the greatest National Peony Show ever held.

Brand's Peonies awarded Gold and Silver Medals at National Peony Show. Brand's Peonies awarded Grand Sweepstakes at St. Paul Peony Show. Brand's Peonies awarded American Peony Society Medal at Minneapolis Peony Show.

You will want some of these, the world's choicest and most beautiful peonies, for your fall planting, therefore, write to-day for Brand's FREE catalog of Peonies and Iris, giving varieties with full description, and prices.

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Growers of Peonies for Nearly 60 Years
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Iris Are the One Flower for Everyone's Garden

No garden can have too many Iris—few gardens have enough. Soft self-colored, rich purples and lavenders, gold and yellow, supply the brilliancy the early June garden demands.

Twenty-five Extra Good Irises

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| Dalmatica. S and F lavender-blue. | Aequackanonk. S yellow, F maroon. |
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| Juniata. S and F deep blue. | Jeanne d'Arc. S white, F white and lilac. |
| Albert Victor. S blue, F lavender. | Mme. Chereau. S and F white and blue. |
| Parc de Neuilly. S and F purple. | Nibelungen. S fawn-yellow, F violet-purple. |
| Lohengrin. S and F violet-mauve. | Iris King. S yellow, F brown with yellow border. |
| Queen of May. S and F lavender. | Jacquesiana. S coppery-erimson, F maroon. |
| Caprice. S and F reddish-purple. | Prosper Laugier. S crimson, F maroon. |
| Dalmarius. S grey-blue, F violet-brown. | Aleazar. S violet, F purple-bronze. |
| Tamerlan. S violet-blue, F deeper. | Florentina. S and F white with lavender. |
| Kharput. S light blue, F dark blue. | Fairy. S and F white and blue. |
| Her Majesty. S rosy-erimson, F pink. | |
| Aurea. S and F golden yellow. | |
| Princess Victoria Louise. S light yellow, F violet-red. | |

One Plant of each (25 plants) \$ 7.00
Three Plants of each (75 plants) \$18.75
Six Plants of each (150 plants) \$31.50

We have more than a hundred extra good varieties of German, Japanese and Siberian Irises to choose from. If you intend to plant Irises ask for our special folder

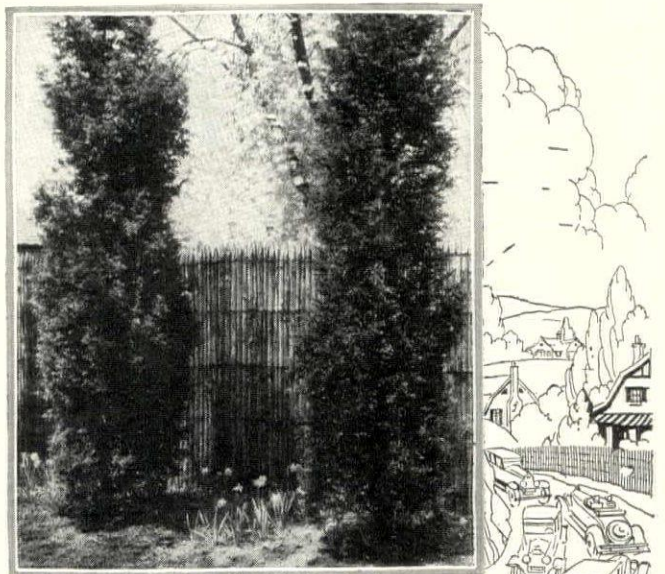
100 Iris in 20 varieties
(5 plants of each) our selection for..... **\$15**

Climbing Roses in pots for autumn planting are now available. Ask for special list.

BOBBINK & ATKINS, Rutherford, New Jersey

Mail coupon below for new portfolio containing photographs of installations, details of construction, and a partial list of prominent Dubois users.

The first of this fence to be used in America was erected in 1901 at Westbury, L. I., and has never needed repairs!



Don't let motor-packed roads annoy you - erect **DUBOIS**

THIS is the fence that has been used for centuries in France and England to shelter a house or garden from the outside world. Friendly in appearance, lending quiet charm to every setting, it

serves as effectively as a stone wall in preventing people from staring in at you.

It is made of straight chestnut saplings woven together by hand. Moderate in cost. Easy to erect.

DUBOIS Woven Wood Fence

ROBERT C. REEVES CO.
187 Water St., New York
Please send, without obligation, your new portfolio illustrating the many interesting ways Dubois is being used.



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



Millions of Peonies

Near Springfield, Ohio, there are more than 80 acres of Peonies. Each year millions of buds unfold their silken petals and later nod complacently in the sun. There are flowers of the purest white; some of deep maroon, and others with every imaginable combination of these colors.

More than a Thousand Varieties

are represented in this great collection—the largest Peony fields in the world. Practically all of the best varieties are there: those which win prizes year after year, together with their less costly brethren used to produce brilliant masses of color. Each and every one is a lovely bit of "garden furniture."

Peonies for your garden should be as carefully purchased as furniture and draperies for your home. In each case the beauty of the future depends upon the initial quality.

One of the offers below will fit any garden, and serve to introduce you to these first quality Peonies. They will all bloom next year, if our planting instructions are followed.

Pastel Collection

A splendid group of the newer introductions which are certain to please Peony fanciers, and add new attractions to any garden.

Jubilee. ROSE. Large flowers of ivory white; tinted yellow in center. Exquisitely colored. Mid-season. \$5 each.

Solange. ROSE. Reddish-brown, occasionally orange-salmon. Full globular flowers; tufted crest in center. Mid-season. \$6 each.

Luetta Pfeiffer. SEMI-ROSE. Very large white flowers with golden stamens; produced in great profusion. Early. \$10 each.

Judge Berry. SEMI-ROSE. The buds open pink but fully developed flowers are variegated pink and white. One of the best early varieties. \$7.50 each.

Chestine Gowdy. CROWN. A prominent pink cone in the center of the flower is surrounded by petals of rich cream and silvery pink. Delightful fragrance; a prize winner. Late in the season. \$3 each.

Charles Sedgwick Minot. BOMB. Satin-pink; perfectly double. Fragrant; free bloomer. Mid-season. \$4 each.

The Pastel Collection ordered singly costs \$35.50. We will send 6 strong roots, express prepaid for \$32. Any portion of the collection may be ordered singly if desired.

Old Garden Collection

Monsieur Jules Elie. BOMB. Lilac pink with silvery sheen. Enormous flowers. A prize winner. \$1.25 each.

Grandiflora. ROSE. Shell-pink overlaid with lilac. Immense double flowers. Very late. \$1.25 each.

Livingstone. ROSE. Pale lilac-red with silver sheen. Erect grower. Late. \$1 each.

Festiva. ROSE. White; flecked crimson. Immense flowers on dwarf plants. Mid-season. 60 cts. each.

Solfatara. CROWN. Guards snow white; sulphur center, changing to white. Mid-season. 75 cts. each.

Meissonier. BOMB. Brilliant crimson blooms on stiff stems. Splendid for cutting. \$1 each.

The Old Garden Collection of Peonies if ordered singly would cost you \$3.85. We will send 12 good roots postpaid for \$5. Any portion of the collection will be supplied at the single price.

Everyone who enjoys flowers will be interested in "THE GLORY BLOOM" which describes the many Peonies grown to perfection in our fields. Please write for your copy today.

The Good & Welsh
PEONY FARMS, INC.

Largest Growers of Peonies in the World
Dept. 900, Springfield, Ohio

THE GOOD & REESE COMPANY, Sales Agents, Springfield, Ohio

HOUSE & GARDEN'S BOOK SH

ALPINE FLORA. By Dr. Julius Hoffmann. New York: Longmans, Green and Company.

THIS attractive volume, appearing in a revised and greatly improved edition, not too large for a traveler to carry along, is well calculated to reach its object, that of enabling the amateur botanist, whether he go to the "Playground of Europe" or merely study at home, to become acquainted with the many gay forms of Alpine flora. So beautiful indeed, and so prevalent and so abundant are many of these, that even the traveler who at home takes but a moderate interest in garden flowers might find stimulation and gratification in learning from the book at least the names of the pretty things that in spring and summer carpet the mountain slopes and valleys. Even without a "key", the lack of which is about the only deficiency in this excellent work, there should be but little difficulty in finding, after a little familiarity with the volume, any of the more common and attractive flowers in the forty-three colored plates. Most of these are unusually successful reproductions of water-color drawings made from the flowers while they were fresh, with the arrangement in families. Nearly three hundred specimens are thus pictured and labeled.

The accompanying brief text gives the botanical names along with the German and English names, and a little description and notation of the preferred sites and surroundings of each plant. In this connection many an expert horticulturist will meet with surprises, for he will find, in thrifty condition, upon limestone the peat-loving Bearberry, the Spring Heath (*Erica carnea*) and the Garland Rhododendron (*R. hirsutum*). (Have we been proceeding too much upon hearsay in this matter? The Spring Heath has been doing well in a limestone district just west of Philadelphia.) And the careful student or collector may find new prizes for the importing of which he might try to arrange, like *Lilium carnolicum*, of a delightful cinnabarine or vermilion color, and which should make a fine companion to St. Bruno's Lily (*Paradisium liliastrum*), no longer a stranger to America. Of other plants mentioned the following should be grown more extensively in rock gardens; all are still so rare that they are not mentioned in "Standardized Plant Names": *Hypericum coris* (St. Johnswort), *Geum reptans* (Avens), *Potentilla nitida* (Cinquefoil), *Doronicum cordatum* (Leopardbane), *Gentiana bavarica*, *G. purpurea*, *G. pannonica*, *G. punctata*, *G. asclepiadea*, *G. frigida*, *G. brachyphylla*, *G. verna*, *G. utriculosa*, *G. nivalis*, *G. prostrata*, *G. ciliata*, *G. nana* (Gentian).

Interesting mosses and lichens also are described and handsomely pictured.

F. B. M.

GLADIOLI. By A. J. Macself. New York: Charles Scribner's Sons.

LIKE other representatives of the worthy series of *Home Garden Books*, this volume exhibits that in-

definable charm which marks the cultured English gentleman and scholar. Valuable for its history of the now so popular, more popular specialty with persons of means than is any other, it presents well tested methods of culture, handling also, with a few hints and suggestions, particularly about growing in pots, that are not commonly heeded in the more liberal methods of American growers. The methods advocated seem inferior to American ways, however, in growing as much as an inch of space each cornel and in mulching cornels with short cut straw chaff, buckwheat husks instead of with inches of fine soil which is in weeks scraped away in order to get the seedlings of weeds. But the experienced amateur and professional its greatest lessons are in the way of how to succeed at exhibiting. In this field the Briton in general surpasses his cousin of the western hemisphere.

F. B.

THROUGH FIELD AND WOODLAND. Alice Rich Northrop. New York: G. P. Putnam's Sons.

THIS is a beautiful monument to the woman who, in her understanding of Nature and sympathy with it, in the northeastern part of our country, was much like the more famous Gene Stratton Porter; like lamented writer of the West and Southwest, she also, only a short time ago, was brought to an untimely end by an accident of similar character. Instead of distributing her skill and knowledge and discoveries, how through the medium of popular stories and many books, Mrs. Northrop taught more directly in vacation schools and by establishing Nature rooms in schools and by conducting clubs and field classes for teachers. Her book, planned to meet, in plain and simple language, the needs of an increasing number of people seeking information about Nature study, is nearly complete at the time of her death and fortunately could be published. And it is a useful book, it explains in easily-understood language and tells, attractively and interestingly, of insects, birds, all wild life, as well as plants of all kinds, from fungi and mosses to trees.

Charming episodes connected with the making of wonderful discoveries and the revealing of Nature's secrets woven together with excellent pictures, in black and white and in color, to make the book one that should be accessible to every Boy or Girl Scout member of the Woodcraft League, a similar organization, for which largely, the book was designed.

It is a fairly large volume, however, suitable for the library or study table, and not for field use. The general makeup and the execution of the work do credit to a house distinguished for putting forth particularly fine specimens of the book-making art.

F. B. M.



Like a Gentle Shower

Prevent the scorching effects of dry, hot days with gentle shower whenever you want it. Keep your lawns, gardens, flowers and shrubs luxuriantly green and healthy with the improved Double Rotary Sprinkler.

Fine for large areas. Note in the illustration above how it will sprinkle over 1,000 square feet with maximum water pressure. Fine spray or shower-like drops made possible with new adjustable nozzle.

Saves work — operates automatically—saves cost of an attendant.

Constructed of best materials. Bronze and steel gears run in bath of oil. Every part standardized. The Double Rotary is endorsed by home owners, florists, truck gardeners and hundreds of other users in all parts of the country. Try it for 10 days. If not satisfactory in every way, return it at our expense and we will refund money. Price \$12.50 postpaid. Descriptive literature on request.

Double Rotary Sprinkler Co.
1230 Coca Cola Bldg. Kansas City, Mo.

DOUBLE ROTARY SPRINKLER
Next Best to Rain



Shumway's "Pedigreed" Bulbs

Produce the Anticipated Results

Contracts with the Holland growers specified largest sizes. Therefore in ordering you are assured the choice of their stock.

Plant bulbs in quantity this fall for a gorgeous display of radiant blooms next Spring. For your consideration a selection of a few of the outstanding varieties of Darwin and Breeder Tulips are listed below.

Name	Color	Price per Hundred
Pride of Haarlem	Rose Carmine	\$4.50
Clara Butt	Salmon Pink	4.25
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Dream	Delicate Lilac	4.50
Bartigon	Carmine Crimson	5.75
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Special collection of above:

1000 bulbs—100 of each . \$42.00
500 bulbs— 50 of each . 21.50

Superfine Collections

Largest Size Bulbs

	Varieties	100	50
Darwin Tulips	15	\$3.75	\$1.95
Breeder Tulips	10	4.00	2.10
Cottage Tulips	8	3.50	1.85
Crocus	5	2.50	1.30
Narcissus	5	9.75	5.00

All Prices Include Transportation Charges to Your Home

Catalog illustrated in colors lists a great variety of Tulips, Narcissi, Hyacinths, Crocus, Peonies, Lilies, etc. Sent free on request. Write for it today.

R. H. SHUMWAY, Seedsman, Department A
(Established 1870)

118-122 So. First St., Rockford, Ill.

PEONY NOVELTIES

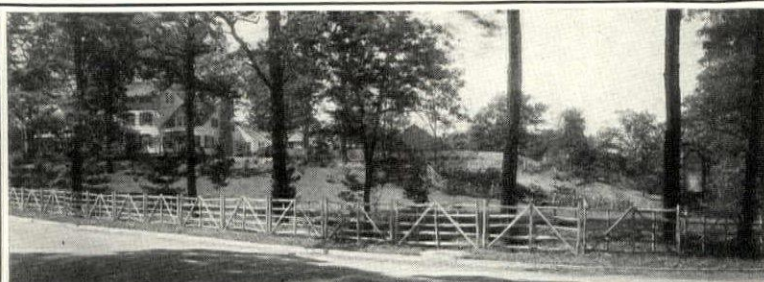
If you are interested in Peonies, send for my 1926 list. All the best of the Standard varieties. Also the new Lemoine novelties: Alice Harding, Argentine, Denise, Dulcinea, Genevieve, Mme. Escary, Odalisque; and the new Doriat novelties: Charlot, Mme. Edward Doriat, Nannette, Inspecteur La Vergne, and many others.

Alice Harding	\$75.00	Le Cygne	\$ 7.00
Philip Revoire	7.00	La Fee	6.00
La France	4.00	Isolene	3.00
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Martin Calruzac	2.00	Kelway's Glorious	12.00
Phyllis Kelway	4.00	Exquisite	3.00
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Mrs. Edward Harding	16.00	Francis Shaylor	3.00
Jessie Shaylor	3.00	Cherryhill	4.00
Walter Faxon	4.00	Jubilee	2.00
Martha Balloch	5.00	Longfellow	3.00

O. L. RINGLE

Wausau, Wis.

P. O. Box 95



After considering all fences, Jane Teller selected Reeveshire in restoring her beautiful Colonial Mansion at Locust Valley, L. I.

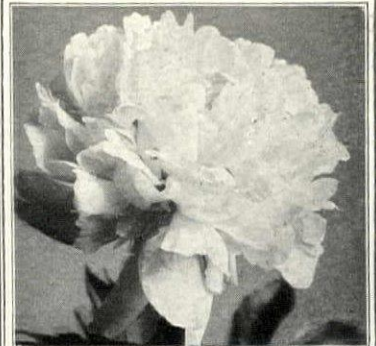
Reeveshire English Hurdle Fence

Conforms to the best American traditions and is an ideal boundary fence for country estates or where a touch of the rustic is desired. Made of rough split chestnut, in three styles, four-bar, five-bar and six-bar. When set, fence is 4' high.

Send for illustrated booklet and prices

ROBERT C. REEVES COMPANY 187 Water St., New York

"The World's Best Varieties" of



Peonies

Peonies from Northbrook Gardens are carefully selected. We have placed in the Master List only those of proven quality and high ratings. Our scientific methods of cultivation produce peonies with finest coloring and fragrance—hardy and vigorous. Individual varieties or our Quality Groups to suit all tastes and pocketbooks.

Irises

Northbrook Irises are the aristocrats of spring flowers. We list a fine selection of popular and highly rated varieties—hardy, sturdy plants that will beautify your garden.

Send for the Master List

The 19th issue of the Master List is more complete than ever. Peonies and Iris are classified to make your selection easy. Also valuable information regarding peony and iris culture.



Write today to

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PAUL L. BATTY, Proprietor
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GALLOWAY POTTERY

Gives the essential touch to garden, sun room or porch

BIRD baths, vases, jars, sun dials, benches, fountains, gazing globes, etc., in high fired, enduring terra cotta.

Catalog illustrating 300 numbers sent upon receipt of twenty cents in stamps

GALLOWAY TERRA COTTA CO.
3218 WALNUT ST. PHILADELPHIA.

THE GARDENER'S SCRAP BOOK

SUPPORTING GLADIOLI

THIS is the month when, in most gardens, the Gladiolus show is at its best. By the same token, it is the season for the greatest care in preventing breakage of the tall, often heavy flower spikes by wind or sometimes merely by the weight of intercepted raindrops. Such precautions are advisable even in the case of the lower-growing varieties, while for such giants as Crimson Glow and Golden Measure they are really essential.

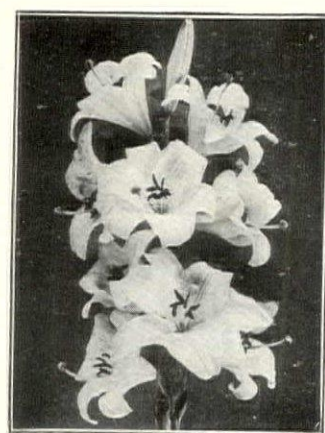
Glads that are planted singly or in small groups can be adequately supported by the ordinary stake and twine method, the details ranging from the single stake for each spike to the little "fence" for several growing close together. Where the bulbs are set in rows of some length, however, a different system has several advantages.

In row plantings, one of the best methods of support is to run parallel lines of strong twine on each side of the row, stretching them tight between stout stakes set at ten-foot intervals close up to the plants. A single line on each side, about a foot above-ground, will be sufficient for all except the really tall-growing sorts which will be better off if provided with a second line at a greater height.

This plan of support will save the stalks from breaking out from the row on either side. If the bulbs were set only a few inches apart in the row, as they should be, the growth itself will be sufficient support against breakage in the direction of the row itself.

Protection is not the only advantage of Gladiolus support, suitable staking also makes for straighter spikes because it forestalls tilting of the lower part of the stalks with its resultant efforts by the upper portions to regain an upright position.

(Continued on page 144)



Madonna Lilies

To Glorify Your June Garden!

These stately flowers, symbol of purity and devotion, whose regal grace and glistening whiteness gives a supreme distinction to any garden, are especially alluring against a background of blue Delphiniums.

Our bulbs are selected from the choicest collections in France—stalks 4 to 5 feet tall, often 10 to 15 magnificent blooms on a single stem.

To secure their beauty in a maximum degree of perfection for your June garden, the bulbs must be planted in September. As these are all prize bulbs of exceptional size, stocks are necessarily limited. Delay may mean disappointment. Order now.

75c each, \$7.50 a dozen

Note: A few hundred Bulbs of truly abnormal size for specimen planting—\$1.50 each.

Schling's Bulbs

MAX SCHLING SEEDSMAN, INC.
618 Madison Ave., near 59th St.
New York City

STONECROPS OR SEDUMS

Unexcelled as Rock Garden Plants

MY COLLECTION of over forty species is by far the largest in America and compares well with the finest European collections.

Invaluable for Rock gardens; fine for the ordinary garden.

My catalog "Perennial Plants" offers these and a very wide selection of other flowers for every climate and purpose.

"California's Choicest Bulbs," my other catalog, is uniquely dainty and will introduce to you bulbs that will grow well from Maine to Dakota.

Ready in mid-August and mailed free on request.

CARL PURDY, Box 170, Ukiah, Calif.

Scott's Creeping Bent for Perfect Lawns!

Sod in six weeks! A rich, velvety stretch of lawn that chokes out weeds before they can grow! A deep, thick, uniform turf that makes your home a beauty spot! That's what you'll get if you plant Scott's Creeping Bent.

The New Super-Lawn

Creeping Bent—long recognized as the ideal grass for golf putting greens—is now producing Super Lawns. Instead of sowing seed, you plant stolons or the chopped grass—and in a few weeks you have a luxuriant lawn like the deep green pile of a Turkish carpet!

O. M. SCOTT & SONS CO.

106 Main Street

MARYSVILLE, OHIO



This little book "Bent Lawns" is free to you. It is a valuable treatise on how you can have beautiful lawns. Write today for your copy.

Wilson's O.K. PLANT SPRAY



WHY BUGS LEAVE HOME KILLS ALL INSECTS and BUGS

The standard and best insecticide for your flowers, shrubs, evergreens, vegetables, For years it has been used by most exacting florists and superintendents. Absolutely harmless and clean—ideal for small homes.

Recommended by the officers of the Garden Club of America

This trade mark on every can



Reg. U. S. Pat. Off.

FREE

Write for a Wilson's Spray (gives you correct in which to spray different plants)

WILSON'S WEED-KILLER
Don't hoe... just sprinkle with Wilson's Weed-Killer. One application a season sufficient to kill all the weeds in your gutters, etc.

In writing, mention your dealer

Andrew Wilson
DEPT. H
SPRINGFIELD NEW JERSEY

Cooper Peonies

If you want the Best We will accept 50 orders only for this year.

Collection Supreme # \$100.00

Le Cygne

Therese

Kelway's Glorious

Solange

Tourangelle

Mme. Jules Dessert

Walter Faxon

Festiva Maxima

Mons. Jules Elie

La Fee

Lady Alexander Du

Longfellow

Rosa Bonheur

\$100.00

Remittance to accompany order

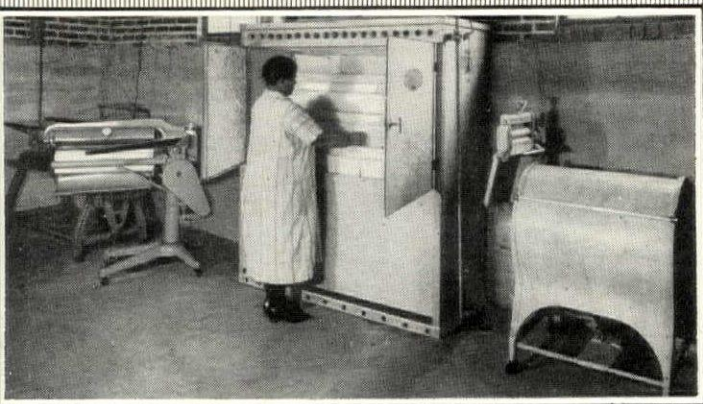
Phoebe Carey

Loveliness

La Lorraine

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Cooper Peony Gardens
KENOSHA, WISCONSIN



Clothes Dried Quickly—Clean and White—in Any Weather!

WHAT do you do when it rains—on washday? If you put off washing until another day it changes your plans for the entire week. If you decide to wash anyhow, your house is made damp, uncomfortable and unsightly by wet clothes hanging on makeshift, indoor clothes-lines.

With a LAMNECK LAUNDRY DRYER

You can wash on the same day each week—dry your clothes quickly—easily—and in a safe, hygienic manner.

Clothes placed in the LAMNECK dry more quickly than when hung out of doors. They are thoroughly sterilized and come from the cabinet wholesomely clean and sweet-smelling. Thermostatic Heat Control eliminates all danger of scorching the clothes.

The action of the LAMNECK DRYER is so rapid that it easily keeps pace with the washing. This quick drying saves time and actually enables you to do a big washing, drying and ironing—all in one day.

Write for our illustrated folder, "A Washday In June" and for the name of our nearest dealer.

"Tested and Approved by Good Housekeeping Institute"

THE W. E. LAMNECK COMPANY
Dept. G Columbus, Ohio

Beacon Model Home of Charles Claus, at Wichita, Kan. Architects Schmidt - Boucher & Wend. WEATHERBEST Colonial White Stained Shingles on Sidewalls, WEATHERBEST Variegated Green on Roof.



One of Many Model Homes

THROUGHOUT the country Model Homes are being built today with WEATHERBEST Stained Shingles on sidewalls and roofs. Their attractiveness not only lies in the value of the single treatment but in the soft color tones that are more pleasing than hard painted surfaces.

On this Beacon Model Home at Wichita, Minn., sidewalls are of WEATHERBEST Stained Shingles in 24" lengths laid with wide exposure and finished in WEATHERBEST Colonial White. The result is a beautiful, soft toned finish of great durability.

The roof on this home is of 18" WEATHERBEST Stained Shingles in Variegated shades of Green.

We will gladly send a Portfolio of Color Photogravures showing different WEATHERBEST Stained Shingle homes with various combinations of sidewall and roof color treatments.

All WEATHERBEST Stained Shingles are of 100% edge-grain red cedar, standard 12", 16", 18" and 24" lengths in a variety of Grays, Greens, Browns, and Reds. Lumber dealers carry standard colors in stock.

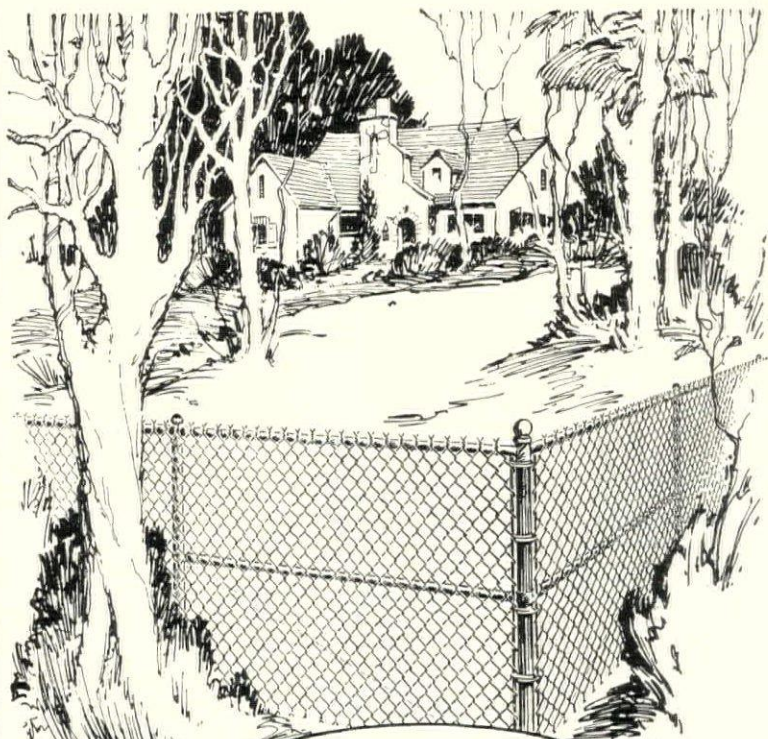
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Weatherbest STAINED SHINGLES FOR ROOFS AND SIDE-WALLS

WEATHERBEST STAINED SHINGLE CO., Inc., 907 Island St., North Tonawanda, N. Y. Please send WEATHERBEST Color Samples and Portfolio of Color Photogravures showing WEATHERBEST Stained Shingle Sidewalls and Roofs. Book on Modernizing and Reshingling

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Beauty Emphasized!

Cyclone Fence accents and defines the beauty of well kept grounds. Adds grace and dignity to town and country homes. "Galv-After" Chain Link Fabric and Tubular Framework are made of Copper-Bearing Steel. Cyclone is the fence of maximum endurance. Volume production and improved methods make Cyclone prices lower today than ever before. Phone, wire or write nearest offices for complete information.

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Fort Worth, Texas
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Cyclone Fence

We also manufacture Wrought Iron Fence and Gates for town and country homes and estates.



The Mark of Quality Fence and Service



© C. F. Co., 1926

CYCLONE COPPER-BEARING STEEL ENDURES

THE GARDENER'S SCRAP BOOK

(Continued from page 142)

PERENNIALS FROM SEED

THERE are certain advantages in growing your own perennials from seed, if you are one of those gardeners who like to do everything that they can themselves. From a strictly cash standpoint, and forgetting the time factor, this method is cheaper than buying clumps or divisions of mature plants. Further than this, it has an element of uncertainty about it which appeals to many of us. Not all seeds, even of the finest quality, come true to color—some, it must be admitted, occasionally do not come at all! So one never knows quite what one is going to get in the end.

It is an advantage to get perennial seeds started fairly early in the summer, so that when the cool weather puts a stop to their growth the plants will be big enough to stand the winter in a coldframe or perhaps in their permanent positions in the border. If they are properly sown during late July or the first few days of August, and well cared for, this condition should be reached.

Planting is best done in flats or seed pans filled with light, good loam in which there is plenty of leaf-mold to retain moisture and prevent caking. Let the rows be two or three inches apart and, with most seeds, cover to about three times their own diameter. After planting, press the soil down lightly and evenly and water thoroughly with a very fine rose which will not wash out the seeds. In all future waterings, be careful not to flood the surface, as this often results in caking of the soil.

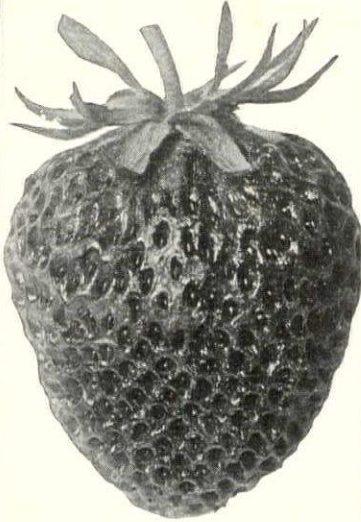
Transplanting, of course, must be done as soon as the seedlings begin to crowd. Transfer them to other flats in which they can be set at least two inches apart each way.



Arrest the Flight of Father Time with the help of POT-GROWN Strawberry Plants



The Lovett Type heavily rooted, that will bear Great Crops of



Fine, Big Berries!

Catalog No. 118 tells the whole story.

Please ask for your Free Copy.

LOVETT'S NURSERY

Box 350

Little Silver - New Jersey



Bissell Home Ventilator Keeps Kitchens Cool and Sweet

Heat, steam, odors; all drawn out by a quiet electric fan, leaving your kitchen fresh and cool instead of a place of torment. No more lingering cooking smells in your living room; draws fresh air clear through your home. Ample large for home or office; windows go up and down, as before.

Costs Little—Operation Almost Nothing

Complete to you, including glass, by fast post. Easily installed; no extras—no labor cost. Write today giving width of sash, across front, between guides. Trial is free—then only—\$17.50.

THE F. BISSELL CO.

815 Lafayette Street, Toledo, Ohio

Olde Stonesfield

Roofs Flagging and Stepping Stones



Interesting shapes and choice colorings.

Send for circulars:
27 A—Graduated Olde Stonesfield Roofs
27 B—Thatchslate Roofs
27 C—Olde Stonesfield Flagging

THE JOHN D. EMACK CO.

Home Office:
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Philadelphia



New York Office
17 E. 49th St.

Easily Grown and At Small Expense

YOUR old-fashioned flower border need not cost much. A 75 cent investment will bring you the Dreer Dozen of hardy favorites for everywhere.

And all are so easily grown from seeds that we do not hesitate to recommend the collection even for the children's garden.

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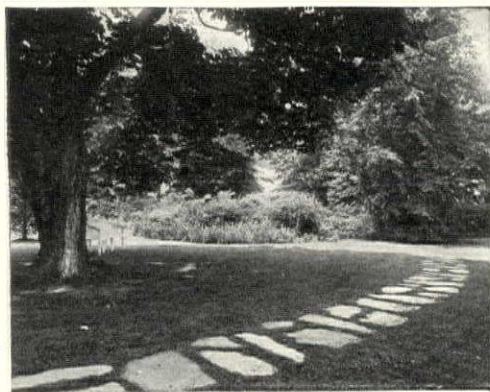
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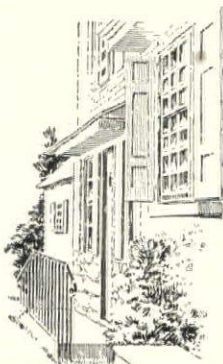
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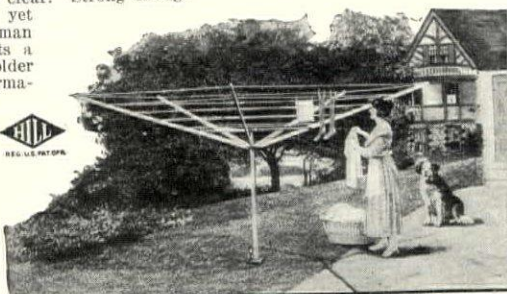
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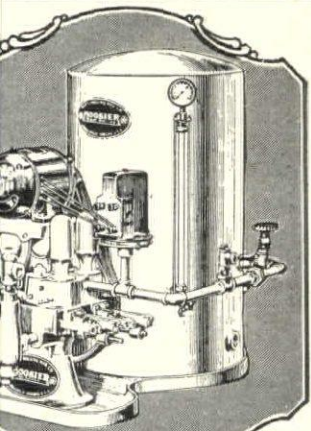
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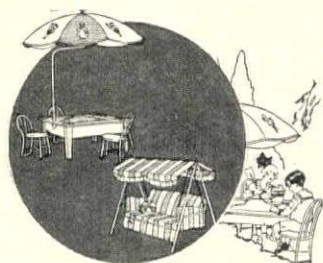
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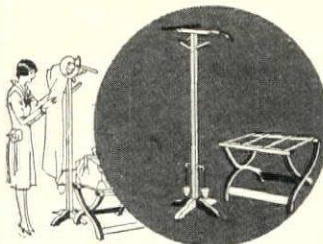


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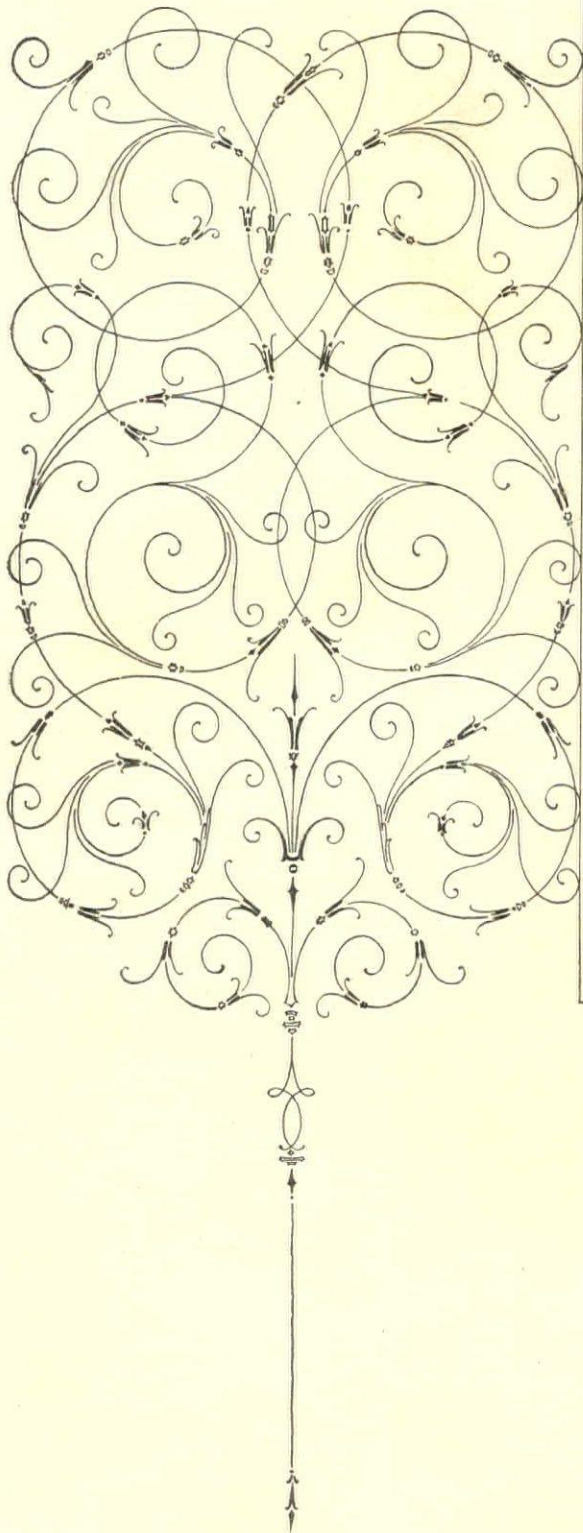
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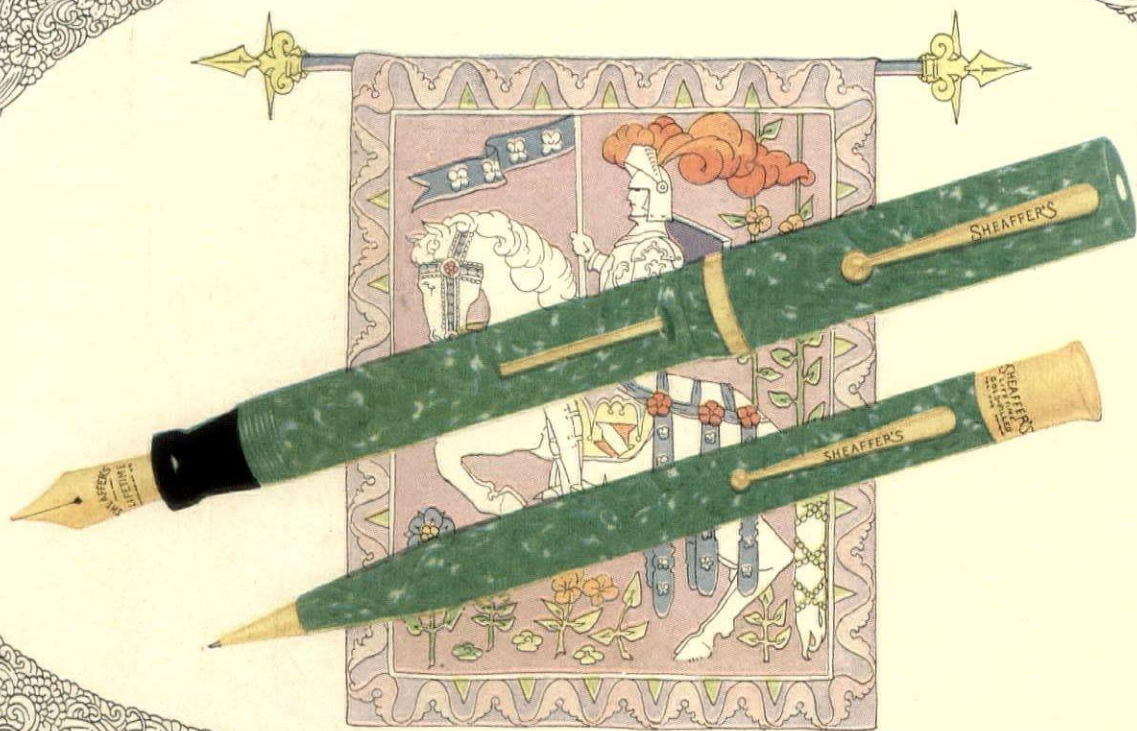
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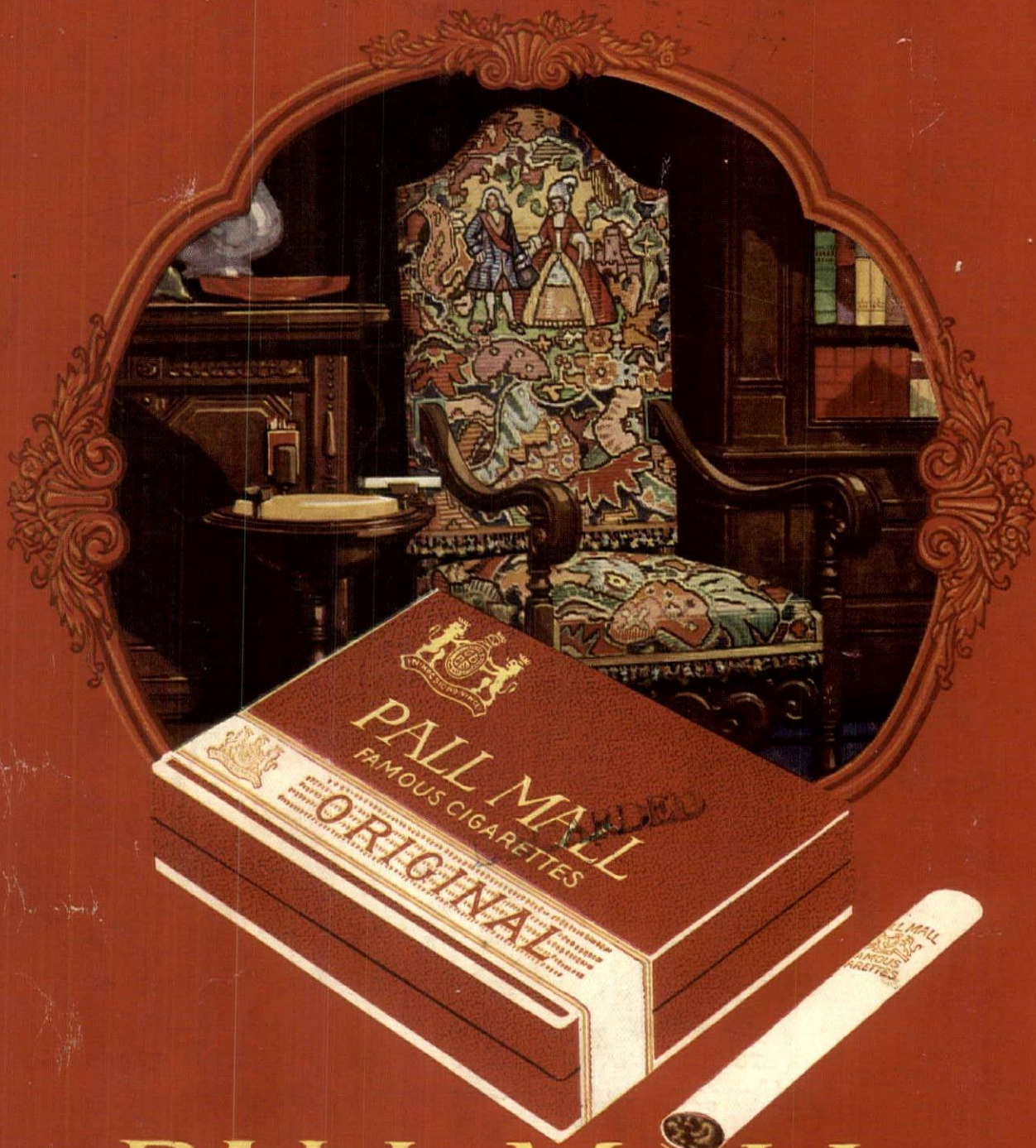
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